MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989

Volume 13

Ohio

Region V

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OHIO

Region V

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The Health Care Financing Administration (HCFA) was established in March 1977 to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program, and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 59 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

FOREWORD

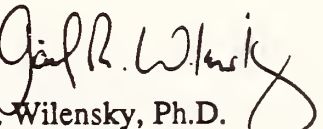
The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, has more than 33 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. This fourth annual release of Medicare hospital mortality information is a key element in our efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to what rate would have been predicted, given what we know about the characteristics of the patients admitted?" We expect this information to be used by hospital administrators, physicians, peer review organizations, Medicare beneficiaries, State survey and certification agencies and researchers. The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"--that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital.

The basic approach to analyzing hospital mortality information has remained unchanged for the past four years; however, since the last publication of mortality information in December 1989, we have made some significant changes both in our methodology and in the way we display the results of our analysis. This publication presents information for 30, 90, and 180 days post admission, as opposed to the single point of 30 days post admission used in all the previous publications. Also, we present values for an observed mortality rate, a predicted mortality rate and a standard deviation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed and approved by a panel of outside experts. The methodology used in arriving at the observed mortality rate, the predicted mortality rate and the standard deviation are briefly described in the Technical Appendix at the end of this volume and in more detail in a Technical Information Supplement.

We acknowledge the assistance we have received from the American Hospital Association--not only for providing the information detailing selected hospital characteristics but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to thoroughly review the data and to provide us with comments and suggestions. As before, we have published the comments we received from individual hospitals, associating them with the summary data for the appropriate institution. Over the years, these communications have proved very helpful in improving and refining the information included in this publication.



Gail R. Wilensky, Ph.D.
Administrator

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TECHNICAL APPENDIX A-1

INTRODUCTION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information. This year's publication presents information for Federal fiscal years (FYs) 1987, 1988 and 1989. (A Federal fiscal year is October 1 through September 30; e.g., FY 1989 covers the period October 1, 1988 through September 30, 1989.) The information for 1987 and 1988 will be different from that published previously both because it is based on a fiscal, not calendar, year, and because the methodology for this year's analysis uses a random hospital stay rather than the last stay in the year as did previous analyses.

Description of Mortality Information

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the three prior years. Only one hospitalization for every patient was used. However, in this year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay to be analyzed was selected at random. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients. The event evaluated was death at any time within 180 days of admission to the hospital. With this approach, information about the early and later results of the hospitalization are provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term impacts. The choice of 180 days allows substantial followup consistent with timely reporting of HCFA data. Additionally, the decision to report the longer followup data necessitated the change from calendar to fiscal year analysis, since it provides at least 182 days followup while allowing us to report on quite recent hospitalizations. Another benefit of using a fiscal rather than a calendar year for analysis is that our files are maintained on a fiscal year basis and new Medicare rules are often instituted on a fiscal year basis.

For each hospital, information is presented for overall Medicare patient mortality and for each of 17 specific diagnostic or medical procedure categories. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate. A rule of thumb for using the SD to assess a hospital's performance appears later in this Introduction, and a more precise formula for the use of the SD is included in the Technical Appendix.

As we did in previous years' publications, we are including selected information about each hospital, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1989 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey Certification and Reporting System (OSCAR) file. These hospital characteristics are found at the bottom of each hospital's first summary data page. A more detailed description of the hospital characteristics appears later in this Introduction. It is important to note that these characteristics are provided for information only. They were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates. In the publication, we have arranged the States by HCFA regions. A hospital's summary data pages and any comments received are arranged alphabetically by hospital name in each State section. A complete listing of States by region and volume can be found in Table 1.

Before reviewing a hospital summary table, it would be helpful to describe how the numbers were derived and what they mean.

Number of Cases. This figure is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases selected for each hospital is presented under the category "All Causes." The eight condition and nine procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight condition categories, that same patient may also appear in one or more of the nine categories defined by a surgical procedure. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight condition categories. The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories cover less than half of all the hospitalized patients. (ICD-9-CM codes included in each condition and procedure category appear in Table 2.). These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; **they do not necessarily represent the cause of death.** HCFA does not have access to cause of death information.

Observed Mortality Rate (OBS). This number is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90 or 180 days of the selected admission to the hospital. The percentage is rounded to the nearest one-tenth of a percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90 or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent. It is important to note than the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission. The observed mortality rate represents the percentage of beneficiaries in

a particular category who died during the selected time interval. As noted above, it does **not** represent the percentage whose death was caused by the particular condition or procedure.

Predicted Mortality Rate (PRED). This column gives a predicted mortality rate for patients included in the analysis for each hospital. The rate is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: principal diagnosis (grouped into 17 analytical risk categories), age, sex, previous hospital admissions within the prior six months, admission source (e.g., physician reference, skilled nursing facility reference), admission type (e.g., elective or emergency), and the presence of up to four comorbid conditions--cancer, chronic cardiovascular disease, chronic renal disease, and chronic liver disease. For additional details on the development of the rates, see the Technical Appendix at the end of this volume. For a list of the ICD-9-CM codes defining the comorbid conditions see Table 3. Two additional adjustments for patient risks were carried out. First, account was taken of the effect of the specific reason for admission--the principal diagnosis within each analytic category--on the probability of patient death. Second, the additional information carried by the grouping of patients into clinically informative categories was also used. This last adjustment proved particularly important in the case of the surgical categories, because the performance of a surgical procedure has substantial implications about the severity of illness.

Standard Deviation (SD). The standard deviation is a guide to how meaningful the difference between the observed and predicted mortality rate is. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience.

As a rule of thumb, if the difference is 1.2 times the SD, chances are 3 out of 4 that the difference is due to statistical variability observed nationally. If the difference is greater than 1.6 times the SD, there is only 1 chance in 10 that the difference is due to statistical variability; if the difference is more than 2.0 times the SD, there is only 1 chance in 20 that the difference is due to statistical variablity; and if the difference is more than 2.6 times the SD, there is only 1 chance in 100 that the difference can be attributed to statistical variablity rather than actual variation from what would be expected. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for concern may exist about the institution's performance. Further information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED are included in the Technical Appendix at the end of this volume. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, an asterisk (*) is placed in the SD column.

Information Sources and Notes

This publication is based primarily on Medicare hospital billing information for fiscal years 1987, 1988 and 1989. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1990 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year) 98 percent of all Medicare discharges in FY 1989 are included in the file.

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results for national estimates. It may, however, substantially affect an individual hospital if it was the source of the suspect information.

Nevertheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is reviewed.

The information used is billing data and is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities; all have a zero in the third position of their Medicare provider number. All other hospitals--those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions--were automatically excluded from the analysis. This year, as last, we also excluded hospices from the publication.

In some cases, we have included data for hospitals which closed, changed ownership, or changed management either during or subsequent to FY 1989. Nevertheless, data which are included for those institutions reflect the situation as it existed at the time the hospitalizations analyzed occurred.

There is some information in the MEDPAR file which does not reflect immediately the results of review by the Peer Review Organizations (PROs). For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that, in some instances, PRO changes in diagnosis assignment may not be

submitted and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, this type of change could have an effect on the calculation of mortality rates in individual categories and may also have a bearing on comorbidities.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted. It is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this publication may not be a direct measure of the quality of care rendered in the hospitals. One reason for this is that we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex and several other factors. This might happen because one hospital's stroke patients consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that this information is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including hospital administrators, physicians, and researchers. Among these audiences, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. For example, we know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are trying to determine what useful information can be derived about their hospitals and how they function. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed.

We believe that when this information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post-admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care and is best used to view experience in individual hospitals rather than for making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because of its patient mix. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We offered each hospital the opportunity to comment on the information contained in this volume, and we included in this publication those comments which were received by January 15, 1991. Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. More specifically, in June 1990 we presented the major changes--use of fiscal year data, use of random rather than last admission for analysis, use of the standard deviation rather than ranges, presentation of mortality rates at three time intervals--to these experts. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rate significantly exceeds the rate that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information publications. Many suggestions from these sources have been incorporated into this publication.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies very rarely impacted on a hospital's overall mortality rate. Most of these instances fell into the following three broad categories.

Inaccurate Date of Death. We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.

Data Posting Delays. In some instances, delays in posting data to the MEDPAR file created difficulties in prior years' analyses. However, because of the use of a fiscal, rather than calendar, year and of a random, rather than last, admission for analysis, this problem has largely been eliminated.

Discrepant Case Counts. Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this publication.

On December 6, 1990, we mailed mortality information to each hospital on its Medicare patients and asked for comments by January 15, 1991. Each hospital received the summary data information (as published here), as well as a list of all Medicare patients whose stay in that hospital in FY 1989 was selected for the analysis. The comments we received are generally reproduced as submitted by the hospital. However, in instances where hospitals returned an annotated copy of the HCFA information sent on December 6, we did not publish that annotated material, even in cases where these were the only comments submitted by the hospital. We took this action because of patient privacy concerns and/or because it would have duplicated information already provided on the hospital's summary data sheet. However, we have published a standard statement to identify instances where we received this type of response. Additionally, in cases where the hospital's response exceeded the two-page limit, which was specified in our communication of December 6, we have published only the first two pages of the material received. No attempt has been made to edit or condense the response provided by the hospital.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner in order to allow every opportunity for review and comment. Even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances are few in number.

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. These particular characteristics and services were selected as those of most interest to Medicare beneficiaries. (Thus, for example, we do not include information on specialty services such as Neonatal Intensive Care Units.) This information was obtained from the AHA 1989 Annual Survey of Hospitals. Where hospitals did not provide information to AHA on a particular item, it has been listed as not available. This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's OSCAR file.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the FY 1989 summary data information.

SURVEY AND YEAR: AHA 1989 Source = American Hospital Association 1989 Annual Survey of Hospital Files

> **Total beds (#):** Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

Occupancy rate (percent): Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

Ownership/control: State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

STAFFING (as of 09/30/88):

Total number of physicians: Total active and associate medical staff.

Percent of physicians who are board-certified specialists: Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

AHA DEFINED SPECIALTY SERVICES:

Burn unit: Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

Cardiac intensive care: Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

Comprehensive Geriatric Assessment: Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. Includes the assessment of medical conditions, functional activities and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

Hospice care: A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

Medical/surgical intensive care: Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.

Organ transplant service equipment: The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.

Other intensive care: Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric and/or psychiatric care on the basis of physicians' orders and approved nursing plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

Rehabilitation unit: Unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

Trauma center: Provides emergency and specialized intensive care to critically injured patients.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Online Survey Certification and Reporting System (OSCAR) definitions of some characteristics found on the hospital's summary page containing the 1986, 1987, and 1988 mortality rates and ranges.

SURVEY AND YEAR: OSCAR 19___

Total beds (#): Total number of operational beds eligible for Medicare payment.

Ownership/control: Church; private; Federal, State, local government, or hospital district or authority; proprietary.

STAFFING:

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

OSCAR DEFINED SPECIALTY SERVICES:

There are no specific definitions of specialty services in OSCAR. These characteristics are self-reported by each hospital at initial certification and recertification. However, they are generally understood to parallel the explicit AHA definitions.

Table 1

STATES BY REGION AND VOLUME

REGION		VOLUME	STATE
I	Boston	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
II	New York	2	New Jersey, Puerto Rico, Virgin Islands
		3	New York
III	Philadelphia	4	Delaware, District of Columbia, Maryland, Virginia, West Virginia
		5	Pennsylvania
IV	Atlanta	6	Alabama, Georgia
		7	Florida
		8	Kentucky, Mississippi, South Carolina
		9	North Carolina, Tennessee
V	Chicago	10	Illinois
		11	Indiana, Michigan
		12	Minnesota, Wisconsin
		13	Ohio

VI	Dallas	14	Arkansas, Oklahoma
		15	Louisiana, New Mexico
		16	Texas (A - L)
		17	Texas (M - Z)
VII	Kansas City	18	Iowa, Kansas
		19	Missouri, Nebraska
VIII	Denver	20	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
IX	San Francisco	21	American Samoa/Guam, Arizona, Hawaii, Nevada
		22	California (A - L)
		23	California (M - Z)
X	Seattle	24	Alaska, Idaho, Oregon, Washington

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Table 2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation:

CONDITION/PROCEDURE	ICD-9-CM CODES (D) = DIAGNOSTIC CODE (P) = PROCEDURE CODE
Heart Disorders/Procedures:	
Acute Myocardial Infarction	410 (D) (exclude 410 with 5th digit of 2 after 10/1/89)
Congestive Heart Failure	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty	36.0 excluding 36.00, 36.03, 36.04, 36.09 (all P)
Coronary Artery Bypass Graft	36.1 (P)
Pacemaker Insertion, Initial	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70—37.73) (all P)
Pulmonary Disorders:	
Pneumonia/Influenza	480-481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease	491-492; 494; 496; and 466.0, 518.5, 518.82, and 786.09 when there is a secondary diagnosis of any 496 (all D)
Cerebrovascular Disorders/Procedures:	
Transient Cerebral Ischemia	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy, 38.12 (P) at the time of admission
Stroke	431, 434-434.9, 436 (all D)
Carotid Endarterectomy	38.12 (P) with 433.1 (D), 433.3 (D), or 435 (D) as principal diagnosis

Musculoskeletal Disorders/Procedures:

Fracture of Neck of Femur	820 (D)
Hip Replacement/Revision	81.5, 81.6 (exclude 81.69) (81.51—81.53 after 10/1/89) (all P)
Open Reduction of Fractured Femur	79.35 (P) on condition of 820 (D) as principal diagnosis

Genitourinary Procedures:

Prostatectomy	60.2, 60.3-60.69 (all P)
Hysterectomy	68.3-68.7 (P)

Gastrointestinal Procedures:

Cholecystectomy	51.22 (P)

Sepsis:

Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038, 054.5 (all D)

Table 3

COMORBIDITY CONDITIONS
(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587
Chronic cardiovascular disease	412-414.9, 426-429.1

Ohio

ADAMS COUNTY HOSPITAL

210 North Wilson Drive
West Union, OH 45693

Medicare Provider Number: 360129

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	369	10.8	13.9	2.0	16.0	20.0	2.4	17.6	24.7	3.0
CONDITIONS:										
Acute Myocardial Infarction	16	31.3	34.3	*	43.8	37.9	*	43.8	41.7	*
Congestive Heart Failure	20	15.0	15.7	*	20.0	24.2	*	20.0	31.1	*
Pneumonia/Influenza	36	16.7	18.0	*	22.2	24.5	*	25.0	29.4	*
Chronic Obstructive Pulmonary Disease	11	0.0	7.1	*	0.0	14.6	*	9.1	21.5	*
Transient Cerebral Ischemia	3	0.0	2.7	*	0.0	6.0	*	0.0	9.7	*
Stroke	7	0.0	23.6	*	14.3	30.6	*	14.3	35.7	*
Hip Fracture	1	0.0	11.3	*	0.0	19.9	*	0.0	24.8	*
Sepsis	8	37.5	42.4	*	50.0	50.7	*	50.0	55.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	10.7	*	0.0	19.5	*	0.0	24.5	*
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	9	0.0	4.9	*	0.0	8.2	*	0.0	10.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 67
Occupancy Rate 31
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 16
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ADAMS COUNTY HOSPITAL

Medicare Provider Number: 360129

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	422	12.6	12.1	2.5	17.5	17.6	3.3	20.9	22.0	3.5
CONDITIONS:										
Acute Myocardial Infarction	15	40.0	29.1	*	46.7	32.5	*	53.3	36.4	*
Congestive Heart Failure	19	15.8	17.7	*	15.8	26.2	*	31.6	33.0	*
Pneumonia/Influenza	27	14.8	17.9	*	22.2	24.4	*	33.3	29.4	*
Chronic Obstructive Pulmonary Disease	8	12.5	6.5	*	12.5	11.3	*	12.5	15.8	*
Transient Cerebral Ischemia	12	8.3	1.9	*	16.7	4.3	*	16.7	6.9	*
Stroke	15	33.3	26.6	*	33.3	32.3	*	40.0	36.8	*
Hip Fracture	1	0.0	5.0	*	0.0	9.1	*	0.0	11.7	*
Sepsis	10	40.0	33.5	*	60.0	41.2	*	70.0	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	9	0.0	6.7	*	11.1	11.1	*	11.1	13.7	*
Hysterectomy	2	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	424	10.6	12.8	1.9	16.0	18.2	2.5	18.9	22.4	2.9
CONDITIONS:										
Acute Myocardial Infarction	12	33.3	34.5	*	41.7	37.9	*	50.0	41.9	*
Congestive Heart Failure	25	16.0	18.4	*	16.0	27.4	*	20.0	34.7	*
Pneumonia/Influenza	28	21.4	20.9	*	21.4	28.2	*	28.6	33.7	*
Chronic Obstructive Pulmonary Disease	8	12.5	9.5	*	37.5	15.6	*	37.5	20.9	*
Transient Cerebral Ischemia	12	0.0	2.7	*	8.3	6.1	*	16.7	9.7	*
Stroke	19	36.8	24.1	*	52.6	30.5	*	52.6	35.3	*
Hip Fracture	0									
Sepsis	10	40.0	35.6	*	40.0	46.4	*	40.0	53.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	6	0.0	2.4	*	16.7	3.9	*	16.7	4.9	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

AKRON CITY HOSPITAL

525 East Market Street
Akron, OH 44309

Medicare Provider Number: 360015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,503	7.8	9.3	0.5	12.5	14.2	0.6	16.2	17.9	0.6
CONDITIONS:										
Acute Myocardial Infarction	154	18.8	28.8	4.6	20.8	31.6	5.0	21.4	34.7	5.5
Congestive Heart Failure	270	15.2	16.0	3.5	23.3	24.6	3.5	29.6	31.6	4.8
Pneumonia/Influenza	268	11.9	16.5	3.3	16.4	22.4	4.1	19.4	27.1	4.7
Chronic Obstructive Pulmonary Disease	69	5.8	5.6	2.8	7.2	10.1	6.2	15.9	14.2	4.8
Transient Cerebral Ischemia	81	3.7	2.1	2.1	4.9	4.5	2.8	9.9	7.1	4.7
Stroke	199	17.1	21.3	3.8	27.6	28.3	3.2	33.2	32.8	3.4
Hip Fracture	114	0.9	6.6	5.8	4.4	11.6	7.1	7.9	14.9	6.6
Sepsis	91	22.0	25.7	6.9	31.9	33.3	6.5	37.4	39.0	5.6
PROCEDURES:										
Angioplasty	105	3.8	4.1	2.0	4.8	5.3	2.3	6.7	6.7	2.4
Coronary Artery Bypass Graft	81	4.9	5.8	3.2	4.9	8.0	4.0	4.9	9.4	4.5
Initial Pacemaker Insertion	30	0.0	3.8	*	3.3	6.8	*	10.0	9.5	*
Carotid Endarterectomy	39	0.0	1.3	*	5.1	2.5	*	10.3	3.7	*
Hip Replacement/Reconstruction	130	0.8	2.6	2.3	1.5	4.8	3.7	3.8	6.4	3.3
Open Reduction of Hip Fracture	25	0.0	6.5	*	4.0	11.9	*	12.0	15.3	*
Prostatectomy	168	0.6	1.2	0.9	3.0	2.7	1.4	5.4	4.4	1.9
Cholecystectomy	118	2.5	2.9	1.8	3.4	5.3	2.4	5.1	7.2	2.8
Hysterectomy	45	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 501
Occupancy Rate 88
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 338
Percent of Physicians Board Certified Specialists 75
Medical Residents/Interns 133
Registered Nurses 644
Licensed Practical Nurses 119

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

AKRON CITY HOSPITAL

Medicare Provider Number: 360015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,727	8.0	9.9	0.5	13.5	14.9	0.6	17.0	18.7	0.5
CONDITIONS:										
Acute Myocardial Infarction	155	26.5	29.1	4.3	31.6	32.2	4.8	32.9	35.5	4.8
Congestive Heart Failure	258	8.9	16.7	3.3	20.2	25.3	3.5	24.4	32.3	3.9
Pneumonia/Influenza	219	15.1	19.9	3.9	25.6	26.5	3.4	29.2	31.5	3.6
Chronic Obstructive Pulmonary Disease	89	9.0	7.3	3.1	13.5	13.3	3.8	18.0	18.4	4.3
Transient Cerebral Ischemia	105	1.9	2.1	2.0	4.8	4.4	2.7	6.7	6.8	2.5
Stroke	234	16.7	20.9	3.3	22.2	27.9	4.1	24.4	32.5	4.9
Hip Fracture	146	6.8	7.7	2.3	13.0	13.7	3.2	14.4	17.4	5.0
Sepsis	125	20.8	30.8	5.3	23.2	38.3	5.9	27.2	44.1	6.3
PROCEDURES:										
Angioplasty	88	4.5	3.3	3.3	6.8	4.2	3.6	6.8	5.2	3.7
Coronary Artery Bypass Graft	76	2.6	5.9	4.7	5.3	8.1	5.1	6.6	9.6	5.8
Initial Pacemaker Insertion	18	0.0	3.9	*	0.0	6.7	*	0.0	9.4	*
Carotid Endarterectomy	45	2.2	1.5	*	2.2	3.0	*	4.4	4.4	*
Hip Replacement/Reconstruction	131	3.8	2.7	1.6	4.6	5.3	2.1	4.6	6.9	2.8
Open Reduction of Hip Fracture	33	3.0	7.5	*	6.1	13.6	*	6.1	17.3	*
Prostatectomy	147	0.7	1.2	1.1	4.1	3.0	2.1	4.8	4.9	1.8
Cholecystectomy	124	2.4	3.4	2.4	5.6	5.9	3.5	6.5	7.6	3.1
Hysterectomy	65	0.0	1.3	2.0	1.5	2.6	2.4	3.1	3.7	2.8

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,639	9.7	9.9	0.5	14.4	15.2	0.6	17.6	19.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	149	30.2	27.6	4.5	32.9	30.9	4.3	35.6	34.2	4.2
Congestive Heart Failure	294	18.4	18.5	2.3	26.9	27.8	2.8	31.6	35.1	4.1
Pneumonia/Influenza	188	16.5	16.8	2.7	23.9	22.7	3.6	27.1	27.2	3.5
Chronic Obstructive Pulmonary Disease	109	14.7	8.8	4.5	22.0	15.6	5.2	25.7	21.3	6.4
Transient Cerebral Ischemia	94	1.1	1.9	1.7	3.2	4.0	2.2	6.4	6.3	2.5
Stroke	231	17.7	21.8	5.7	25.5	28.6	5.1	30.3	33.2	4.6
Hip Fracture	142	4.2	6.8	2.8	8.5	12.2	4.2	11.3	15.8	5.1
Sepsis	132	27.3	29.6	4.6	31.1	38.0	5.8	34.8	44.2	6.9
PROCEDURES:										
Angioplasty	58	15.5	5.3	5.2	15.5	6.4	5.9	19.0	7.7	6.0
Coronary Artery Bypass Graft	65	10.8	5.3	4.8	13.8	7.7	5.6	13.8	9.2	5.8
Initial Pacemaker Insertion	31	6.5	3.2	*	6.5	6.6	*	9.7	9.6	*
Carotid Endarterectomy	51	3.9	1.6	3.6	5.9	3.2	4.1	7.8	4.6	4.4
Hip Replacement/Reconstruction	116	3.4	2.5	1.6	4.3	4.9	2.1	4.3	6.5	2.8
Open Reduction of Hip Fracture	24	8.3	7.2	*	16.7	13.3	*	20.8	17.2	*
Prostatectomy	163	2.5	1.1	1.4	3.1	2.7	1.4	4.9	4.5	1.7
Cholecystectomy	120	5.8	4.2	3.0	7.5	7.1	3.9	7.5	9.0	5.3
Hysterectomy	56	0.0	0.6	1.9	5.4	1.2	2.4	5.4	1.9	3.0

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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January 14, 1991

Medicare Provider
Number: 360015

SUMMA
Health System

Albert F. Gilbert, Ph.D.
President and CEO

525 East Market Street
P.O. Box 2090
Akron, Ohio 44309-2090
Phone (216) 375-3000
Fax (216) 375-4068

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra K. Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Akron City Hospital is in receipt of the Health Care Financing Administration (HCFA) mortality statistics which are scheduled for release in March, 1991. The comments which follow represent our public response as to the validity and usefulness of these data as a measure of quality of health care.

Assurance of the quality of health care is a responsibility which Akron City Hospital accepts with the greatest of seriousness. The measurement of quality is undertaken in every aspect of our operations, from maintaining the right equipment and personnel to monitoring patient outcome on a regular basis. We, as does the HCFA, believe that the public has a right to information regarding the quality of the hospital serving them. However, we are concerned that the release of raw data on mortality cannot appropriately serve as an evaluation of quality. There are many factors relating to these outcomes and it is impossible to thoroughly communicate this information on each hospital across the country.

Although we are pleased to see improved refinements to HCFA's data, we continue to have concerns regarding the statistics. The methodology still cannot assess whether differences in mortality are due to differences in quality of care or, in fact, are due to differences in condition of the patients being treated. We continue to believe the use of mortality as the sole indicator of quality is not appropriate. Finally, the inclusion of deaths after the patient goes home may make the hospital accountable for circumstances over which we have no control.

In summary, Akron City Hospital believes it's dedication to the measurement and assurance of quality of health care has led to a more precise and meaningful approach than the one currently used by HCFA. We hope to continue to demonstrate the public's confidence in our service has been well placed.

Sincerely,

Albert F. Gilbert

Albert F. Gilbert, Ph.D.
President & CEO

AKRON GENERAL MEDICAL CENTER

400 Wabash Ave
Akron, OH 44307

Medicare Provider Number: 360027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,500	8.4	8.9	0.7	12.8	13.4	0.7	16.4	17.0	0.6
CONDITIONS:										
Acute Myocardial Infarction	134	31.3	31.1	9.1	35.8	34.6	7.7	35.8	38.0	6.8
Congestive Heart Failure	178	12.4	16.5	5.0	23.0	25.5	4.0	30.9	32.6	3.9
Pneumonia/Influenza	151	12.6	16.4	4.0	22.5	22.5	3.5	28.5	27.3	5.2
Chronic Obstructive Pulmonary Disease	66	7.6	9.8	5.0	12.1	16.6	6.6	16.7	22.1	7.7
Transient Cerebral Ischemia	64	3.1	1.7	2.2	3.1	3.6	2.4	3.1	5.7	3.6
Stroke	149	19.5	20.8	4.9	24.8	27.2	5.5	28.9	31.6	4.8
Hip Fracture	81	6.2	6.8	3.6	7.4	12.1	4.9	13.6	15.6	4.2
Sepsis	48	27.1	33.5	*	31.3	42.2	*	37.5	49.1	*
PROCEDURES:										
Angioplasty	34	0.0	1.9	*	0.0	2.5	*	0.0	3.3	*
Coronary Artery Bypass Graft	201	4.0	4.7	1.8	5.5	6.6	2.3	5.5	7.7	2.7
Initial Pacemaker Insertion	41	2.4	4.3	*	2.4	7.4	*	9.8	10.2	*
Carotid Endarterectomy	26	3.8	1.3	*	7.7	2.3	*	7.7	3.4	*
Hip Replacement/Reconstruction	66	3.0	3.8	3.0	9.1	7.4	4.8	13.6	10.1	6.9
Open Reduction of Hip Fracture	46	6.5	6.6	*	6.5	12.1	*	13.0	15.7	*
Prostatectomy	95	0.0	1.2	1.9	1.1	2.6	3.0	5.3	4.1	2.7
Cholecystectomy	114	2.6	2.5	2.1	5.3	4.4	2.6	7.0	5.7	3.2
Hysterectomy	32	0.0	0.3	*	0.0	0.7	*	3.1	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 478
Occupancy Rate 81
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 233
Percent of Physicians Board Certified Specialists 86
Medical Residents/Interns 106
Registered Nurses 480
Licensed Practical Nurses 103

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

AKRON GENERAL MEDICAL CENTER

Medicare Provider Number: 360027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,241	8.4	9.1	0.6	13.2	13.6	0.8	16.2	17.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	130	23.1	28.9	5.4	30.8	32.0	4.5	32.3	35.5	4.7
Congestive Heart Failure	191	12.0	16.9	4.0	24.1	25.6	3.8	30.4	32.6	3.7
Pneumonia/Influenza	130	13.8	16.0	3.7	21.5	21.8	3.6	23.1	26.4	4.6
Chronic Obstructive Pulmonary Disease	56	7.1	9.0	6.7	16.1	14.9	7.9	19.6	19.9	5.4
Transient Cerebral Ischemia	59	3.4	1.9	2.4	3.4	4.2	2.9	8.5	6.5	4.0
Stroke	143	18.2	22.1	3.9	21.7	28.4	4.9	23.8	32.9	6.0
Hip Fracture	90	3.3	6.9	4.7	10.0	12.4	6.3	13.3	15.8	6.3
Sepsis	34	41.2	33.6	*	50.0	40.8	*	52.9	46.7	*
PROCEDURES:										
Angioplasty	28	0.0	2.7	*	3.6	3.4	*	3.6	4.3	*
Coronary Artery Bypass Graft	198	6.6	5.5	2.1	9.1	7.4	2.9	10.1	8.5	2.8
Initial Pacemaker Insertion	20	10.0	6.3	*	10.0	10.7	*	15.0	14.7	*
Carotid Endarterectomy	19	0.0	1.2	*	0.0	2.3	*	5.3	3.3	*
Hip Replacement/Reconstruction	55	1.8	3.9	3.1	7.3	7.5	3.5	12.7	9.8	5.7
Open Reduction of Hip Fracture	44	2.3	6.4	*	9.1	12.0	*	9.1	15.5	*
Prostatectomy	92	1.1	0.9	1.0	2.2	2.1	1.6	3.3	3.4	2.0
Cholecystectomy	80	2.5	2.9	1.9	5.0	5.3	2.6	7.5	6.9	3.0
Hysterectomy	21	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,074	10.0	9.7	0.5	15.2	14.5	0.8	18.8	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	124	28.2	32.9	5.0	36.3	36.0	4.3	37.9	39.6	4.4
Congestive Heart Failure	164	17.1	17.1	4.3	23.8	25.4	3.7	33.5	32.4	4.6
Pneumonia/Influenza	133	21.1	17.8	4.4	27.8	23.6	6.4	30.8	28.3	5.7
Chronic Obstructive Pulmonary Disease	43	11.6	11.4	*	14.0	19.2	*	25.6	25.1	*
Transient Cerebral Ischemia	62	1.6	1.9	3.7	4.8	4.3	3.8	8.1	6.8	4.0
Stroke	120	19.2	25.7	4.7	22.5	32.1	5.7	25.0	36.5	6.4
Hip Fracture	91	3.3	7.0	3.5	6.6	12.6	5.1	6.6	16.2	6.2
Sepsis	63	41.3	37.2	7.4	50.8	45.5	7.7	55.6	52.2	7.3
PROCEDURES:										
Angioplasty	20	0.0	2.6	*	0.0	3.4	*	0.0	4.3	*
Coronary Artery Bypass Graft	131	6.9	6.1	2.3	9.2	7.9	2.6	9.9	9.0	2.9
Initial Pacemaker Insertion	26	0.0	4.6	*	0.0	7.6	*	3.8	10.5	*
Carotid Endarterectomy	32	3.1	1.5	*	3.1	2.9	*	3.1	4.3	*
Hip Replacement/Reconstruction	52	1.9	3.5	2.9	3.8	6.4	4.4	3.8	8.4	5.7
Open Reduction of Hip Fracture	66	3.0	6.2	4.1	7.6	11.8	6.3	7.6	15.4	7.3
Prostatectomy	108	0.0	0.7	1.5	1.9	1.6	2.3	5.6	2.8	3.0
Cholecystectomy	93	5.4	3.2	2.8	9.7	5.8	4.2	10.8	7.6	4.2
Hysterectomy	32	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

AKRON GENERAL
MEDICAL CENTER

MEDICARE PROVIDER NUMBER: 360027

January 7, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Attached are comments from Akron General Medical Center, Medicare Provider # 360027, regarding the Medicare Hospital Mortality Information.

Sincerely,

D. A. Schumann MD

David A. Schumann, M.D.
Chairman
Quality Assurance Committee
Akron General Medical Center

DAS/ks

VHA

AKRON GENERAL
MEDICAL CENTER

MEDICARE PROVIDER NUMBER: 360027

We note, that in all categories where Peer Review Systems could estimate the standard deviation, our observed rates were below the predicted rates or within one standard deviation of the predicted rates.

We conclude that Akron General Medical Center has no statistically significant variances from the predicted rates.

ALLEN MEMORIAL HOSPITAL

200 W Lorain St
Oberlin, OH 44074

Medicare Provider Number: 360213

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	418	7.7	9.3	2.0	13.6	13.9	1.9	17.2	17.9	2.1
CONDITIONS:										
Acute Myocardial Infarction	10	20.0	33.7	*	30.0	37.4	*	30.0	41.6	*
Congestive Heart Failure	30	13.3	16.1	*	23.3	24.2	*	30.0	30.9	*
Pneumonia/Influenza	19	10.5	18.8	*	26.3	25.2	*	26.3	30.3	*
Chronic Obstructive Pulmonary Disease	4	0.0	8.7	*	25.0	14.5	*	50.0	19.0	*
Transient Cerebral Ischemia	2	0.0	2.0	*	0.0	4.9	*	0.0	8.2	*
Stroke	22	22.7	24.1	*	31.8	31.9	*	36.4	36.9	*
Hip Fracture	5	0.0	6.3	*	20.0	11.8	*	20.0	15.7	*
Sepsis	1	100.0	50.7	*	100.0	68.1	*	100.0	81.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	4.3	*	12.5	8.3	*	12.5	11.2	*
Open Reduction of Hip Fracture	0									
Prostatectomy	10	0.0	1.2	*	10.0	2.7	*	10.0	4.5	*
Cholecystectomy	10	0.0	1.0	*	0.0	1.8	*	0.0	2.4	*
Hysterectomy	2	0.0	0.9	*	0.0	2.4	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	97
Occupancy Rate	32
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	30
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	0
Registered Nurses	57
Licensed Practical Nurses	32

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ALLEN MEMORIAL HOSPITAL

Medicare Provider Number: 360213

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	460	8.9	10.1	1.8	12.0	14.8	3.0	16.5	18.6	3.1
CONDITIONS:										
Acute Myocardial Infarction	18	33.3	25.8	*	33.3	29.2	*	38.9	32.9	*
Congestive Heart Failure	30	16.7	15.5	*	26.7	23.0	*	33.3	29.4	*
Pneumonia/Influenza	36	11.1	16.6	*	13.9	22.2	*	16.7	26.7	*
Chronic Obstructive Pulmonary Disease	4	0.0	6.2	*	0.0	10.7	*	0.0	14.7	*
Transient Cerebral Ischemia	7	0.0	2.3	*	0.0	5.1	*	0.0	8.1	*
Stroke	24	16.7	19.3	*	20.8	26.1	*	25.0	30.9	*
Hip Fracture	15	6.7	8.6	*	6.7	15.2	*	6.7	19.1	*
Sepsis	5	0.0	29.5	*	0.0	36.7	*	40.0	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	5.3	*	12.5	9.9	*	12.5	12.8	*
Open Reduction of Hip Fracture	7	0.0	6.8	*	0.0	12.5	*	0.0	16.2	*
Prostatectomy	9	0.0	1.3	*	0.0	3.2	*	11.1	5.2	*
Cholecystectomy	11	9.1	3.7	*	9.1	7.2	*	9.1	9.5	*
Hysterectomy	5	0.0	1.4	*	0.0	3.4	*	0.0	5.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	460	11.1	10.4	1.4	15.2	15.4	1.7	18.7	19.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	14	50.0	27.6	*	50.0	30.2	*	57.1	33.4	*
Congestive Heart Failure	35	5.7	13.8	*	17.1	20.8	*	25.7	26.9	*
Pneumonia/Influenza	37	16.2	16.4	*	16.2	21.8	*	21.6	26.4	*
Chronic Obstructive Pulmonary Disease	10	20.0	15.2	*	40.0	24.4	*	40.0	30.2	*
Transient Cerebral Ischemia	7	14.3	2.1	*	14.3	4.4	*	14.3	7.0	*
Stroke	17	29.4	25.0	*	35.3	32.1	*	41.2	36.8	*
Hip Fracture	15	0.0	8.6	*	6.7	14.5	*	6.7	18.0	*
Sepsis	8	0.0	27.1	*	12.5	35.7	*	25.0	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.3	*	0.0	10.7	*	0.0	13.3	*
Open Reduction of Hip Fracture	7	0.0	9.7	*	0.0	17.4	*	0.0	22.0	*
Prostatectomy	9	0.0	0.7	*	0.0	1.6	*	11.1	2.7	*
Cholecystectomy	8	0.0	2.1	*	0.0	4.5	*	0.0	6.5	*
Hysterectomy	5	0.0	0.3	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ALLIANCE CITY HOSPITAL

264 E Rice St
Alliance, OH 44601

Medicare Provider Number: 360131

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,406	13.2	10.5	1.3	18.1	15.8	1.4	22.0	19.9	1.6
CONDITIONS:										
Acute Myocardial Infarction	61	36.1	30.4	7.8	39.3	33.5	8.0	41.0	37.0	7.1
Congestive Heart Failure	89	18.0	14.6	4.0	31.5	22.2	6.0	41.6	28.7	8.1
Pneumonia/Influenza	54	25.9	19.9	8.9	31.5	26.8	8.7	38.9	32.0	9.7
Chronic Obstructive Pulmonary Disease	44	15.9	8.8	*	15.9	15.5	*	20.5	21.5	*
Transient Cerebral Ischemia	29	0.0	2.0	*	10.3	4.3	*	17.2	6.7	*
Stroke	53	28.3	20.3	10.8	35.8	27.2	10.4	41.5	31.8	10.5
Hip Fracture	60	11.7	8.8	6.4	16.7	15.4	4.9	21.7	19.7	5.5
Sepsis	18	33.3	25.2	*	38.9	35.1	*	38.9	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	4.6	*	20.0	9.1	*	40.0	13.0	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	1.9	*	0.0	2.9	*
Hip Replacement/Reconstruction	27	3.7	5.7	*	3.7	11.0	*	11.1	14.9	*
Open Reduction of Hip Fracture	26	7.7	8.9	*	15.4	16.0	*	19.2	20.6	*
Prostatectomy	48	0.0	1.0	*	2.1	2.6	*	4.2	4.4	*
Cholecystectomy	34	5.9	4.4	*	5.9	6.9	*	5.9	8.6	*
Hysterectomy	9	0.0	0.6	*	0.0	1.5	*	11.1	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 178
Occupancy Rate 46
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 69
Percent of Physicians Board Certified Specialists 71
Medical Residents/Interns 0
Registered Nurses 110
Licensed Practical Nurses 73

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ALLIANCE CITY HOSPITAL

Medicare Provider Number: 360131

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,505	15.5	10.9	1.8	19.6	16.4	1.2	23.1	20.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	65	27.7	29.9	7.1	32.3	32.9	6.2	38.5	36.4	6.3
Congestive Heart Failure	77	20.8	16.3	5.1	27.3	24.5	5.2	28.6	31.2	5.6
Pneumonia/Influenza	68	26.5	18.5	8.2	30.9	24.9	9.0	38.2	29.9	10.3
Chronic Obstructive Pulmonary Disease	50	16.0	7.7	*	20.0	13.0	*	22.0	17.7	*
Transient Cerebral Ischemia	25	12.0	2.0	*	16.0	4.3	*	20.0	6.9	*
Stroke	58	29.3	21.7	9.0	32.8	28.4	8.1	37.9	33.0	8.6
Hip Fracture	48	14.6	6.6	*	18.8	12.2	*	20.8	15.9	*
Sepsis	26	38.5	26.2	*	46.2	34.0	*	50.0	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	14.4	*	16.7	16.8	*	33.3	19.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	4.3	4.2	*	8.7	8.7	*	8.7	12.3	*
Open Reduction of Hip Fracture	24	16.7	6.1	*	20.8	11.4	*	20.8	14.7	*
Prostatectomy	35	2.9	1.2	*	5.7	3.0	*	5.7	5.0	*
Cholecystectomy	24	4.2	2.3	*	8.3	4.3	*	8.3	5.6	*
Hysterectomy	14	0.0	1.2	*	0.0	2.6	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,552	13.3	11.0	1.8	18.5	16.4	1.7	22.2	20.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	76	38.2	32.1	6.7	40.8	35.2	7.2	43.4	38.7	6.9
Congestive Heart Failure	83	16.9	17.2	4.2	24.1	25.9	5.0	32.5	33.1	5.3
Pneumonia/Influenza	78	21.8	16.9	5.3	26.9	23.2	5.7	35.9	27.9	7.2
Chronic Obstructive Pulmonary Disease	51	13.7	12.0	5.4	15.7	19.7	6.8	17.6	25.5	8.3
Transient Cerebral Ischemia	43	2.3	2.4	*	7.0	5.4	*	14.0	8.5	*
Stroke	73	17.8	21.8	7.7	23.3	28.5	10.4	26.0	33.0	10.2
Hip Fracture	36	13.9	7.2	*	27.8	12.9	*	27.8	16.6	*
Sepsis	18	16.7	23.4	*	33.3	31.6	*	38.9	37.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	25.0	11.5	*	25.0	16.4	*	25.0	19.2	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.8	*	0.0	2.5	*
Hip Replacement/Reconstruction	17	5.9	5.2	*	17.6	10.3	*	17.6	14.2	*
Open Reduction of Hip Fracture	20	15.0	6.5	*	25.0	12.3	*	25.0	16.1	*
Prostatectomy	45	0.0	1.0	*	0.0	2.3	*	4.4	3.9	*
Cholecystectomy	38	2.6	3.0	*	2.6	5.1	*	2.6	6.3	*
Hysterectomy	9	11.1	1.1	*	11.1	2.6	*	11.1	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

11.1

Alliance Community Hospital

264 East Rice St. • Alliance, Ohio 44601 • (216) 821-1000

Medicare Provider #360131

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention Ms. Sandra K. Kappert
2-D-2 Meadows East Building
6325 Meadows East Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert,

Alliance Community Hospital has received the Health Care Financing Administration mortality morbidity statistics which are scheduled for release in March, 1991.

The statistics are helpful in identifying trends, but do not reflect the true status of our patients and should not be used as an indication of quality of care. Alliance Community Hospital operates a very extensive and sophisticated Quality Assurance program, which reviews all patient care activities. Our system includes the review of all mortalities for appropriateness of care during the hospital stay. Alliance Community Hospital continually monitors patient care and makes improvements where necessary.

Alliance Community Hospital statistics indicate that 92% of the hospital mortalities were in the high severity level at time of admission. The majority of these cases were complicated by multi-system disease.

We would like to address specifically the category of "all causes" of death and the condition "hip fractures". Of the mortalities concerning hip fractures, it was found that in 100% of the cases, the primary diagnosis was not the cause of death. We feel that this condition alone has significantly altered the figures presented in the "all causes" category.

After lengthy research, we also discovered that out of one hundred eighty-three mortalities used to develop these statistics, there were fifty-two known cases that the primary diagnosis was not the cause of death.

In analyzing this information, we appear to be .1% over the predicted range in the all causes category. Yet we fall within accepted standards in all other conditions.

The high level of care provided by our hospital is of upper most concern to the Board of Trustee's, Administration, Medical Staff and our employees. We believe importance should be placed on those positive services that hospitals provide that extend the quality of a patients' life rather than statistical data that does not reflect the quality of patient care.

We sincerely hope that by presenting the above facts, we have revealed significant information which was not considered in determining the mortality rates. We appreciate the efforts of HCFA and Peer Review Systems in compiling the mortality morbidity statistics and sharing them with our hospital to assist us in our quality reviews.

We will continue to monitor mortality information as an important aspect of our Quality Assurance program.

Sincerely,

Melvin P. Pucci
Chief Executive Officer

enclosures

cc: President of Medical Staff
Chairman Medical Staff Quality Assessment
Medical Affairs Director

MPP/dd

AMHERST HOSPITAL

254 Cleveland Ave
Amherst, OH 44001

Medicare Provider Number: 360130

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	380	6.6	8.8	1.7	8.9	13.1	2.3	11.3	16.5	2.8
CONDITIONS:										
Acute Myocardial Infarction	11	9.1	28.2	*	9.1	31.0	*	9.1	34.2	*
Congestive Heart Failure	25	8.0	12.0	*	8.0	18.7	*	12.0	24.8	*
Pneumonia/Influenza	20	0.0	12.1	*	0.0	16.7	*	0.0	20.9	*
Chronic Obstructive Pulmonary Disease	5	0.0	10.5	*	0.0	15.4	*	0.0	20.0	*
Transient Cerebral Ischemia	11	0.0	2.3	*	0.0	5.1	*	0.0	8.1	*
Stroke	14	7.1	15.7	*	21.4	21.1	*	28.6	25.1	*
Hip Fracture	6	0.0	8.0	*	33.3	15.1	*	33.3	19.9	*
Sepsis	4	50.0	30.7	*	75.0	39.7	*	75.0	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.3	*	0.0	7.9	*	0.0	10.3	*
Open Reduction of Hip Fracture	3	0.0	9.0	*	66.7	17.8	*	66.7	24.0	*
Prostatectomy	10	0.0	1.3	*	0.0	3.2	*	0.0	5.6	*
Cholecystectomy	8	0.0	1.6	*	0.0	2.4	*	0.0	3.0	*
Hysterectomy	6	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 71
Occupancy Rate 38
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 51
Percent of Physicians Board Certified Specialists 61
Medical Residents/Interns 0
Registered Nurses 55
Licensed Practical Nurses 26

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

AMHERST HOSPITAL

Medicare Provider Number: 360130

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	384	5.7	8.7	1.9	10.4	13.0	2.0	13.5	16.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	30.4	*	25.0	34.6	*	25.0	38.6	*
Congestive Heart Failure	23	8.7	9.9	*	17.4	15.3	*	26.1	20.6	*
Pneumonia/Influenza	25	16.0	18.5	*	28.0	24.6	*	28.0	29.3	*
Chronic Obstructive Pulmonary Disease	15	0.0	9.3	*	0.0	15.1	*	6.7	20.3	*
Transient Cerebral Ischemia	10	0.0	2.2	*	0.0	4.3	*	0.0	6.5	*
Stroke	14	7.1	20.8	*	21.4	29.3	*	28.6	34.3	*
Hip Fracture	3	0.0	5.1	*	0.0	10.2	*	33.3	14.0	*
Sepsis	4	50.0	36.5	*	75.0	43.1	*	75.0	48.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	7.2	*	0.0	14.9	*	0.0	20.5	*
Prostatectomy	13	0.0	1.7	*	0.0	4.1	*	0.0	6.7	*
Cholecystectomy	10	0.0	2.2	*	0.0	4.1	*	0.0	5.4	*
Hysterectomy	5	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	378	9.0	8.9	2.3	11.6	13.5	2.6	15.9	17.2	2.3
CONDITIONS:										
Acute Myocardial Infarction	8	12.5	31.8	*	25.0	34.3	*	25.0	37.2	*
Congestive Heart Failure	30	6.7	13.5	*	10.0	20.7	*	26.7	27.1	*
Pneumonia/Influenza	33	21.2	15.7	*	24.2	21.1	*	27.3	25.8	*
Chronic Obstructive Pulmonary Disease	15	6.7	8.3	*	6.7	13.3	*	6.7	17.4	*
Transient Cerebral Ischemia	7	0.0	1.6	*	0.0	3.2	*	0.0	5.0	*
Stroke	11	9.1	16.8	*	9.1	22.2	*	9.1	26.4	*
Hip Fracture	2	50.0	6.1	*	50.0	10.9	*	50.0	14.1	*
Sepsis	1	100.0	42.3	*	100.0	51.3	*	100.0	58.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	100.0	8.6	*	100.0	15.7	*	100.0	19.9	*
Open Reduction of Hip Fracture	0									
Prostatectomy	10	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*
Cholecystectomy	13	0.0	2.7	*	0.0	4.5	*	7.7	5.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ASHTABULA GENERAL HOSPITAL

2420 Lake Ave
Ashtabula, OH 44004

Medicare Provider Number: 360125

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,400	8.5	9.7	1.1	14.4	14.6	1.3	18.6	18.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	34	29.4	30.5	*	32.4	33.6	*	47.1	36.8	*
Congestive Heart Failure	89	16.9	16.9	4.0	27.0	25.7	5.0	34.8	32.9	5.5
Pneumonia/Influenza	99	12.1	19.3	6.7	24.2	26.0	5.4	28.3	31.1	5.4
Chronic Obstructive Pulmonary Disease	56	10.7	11.0	4.4	23.2	17.4	7.5	26.8	22.7	7.2
Transient Cerebral Ischemia	24	8.3	1.9	*	8.3	4.2	*	12.5	6.7	*
Stroke	64	23.4	20.9	5.9	28.1	27.9	6.9	34.4	32.4	9.4
Hip Fracture	33	3.0	6.2	*	6.1	11.2	*	6.1	14.6	*
Sepsis	24	12.5	30.0	*	33.3	37.2	*	45.8	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.2	*	0.0	4.6	*	11.1	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	3.1	*	7.1	6.1	*	7.1	8.4	*
Open Reduction of Hip Fracture	19	0.0	5.1	*	0.0	9.7	*	0.0	12.9	*
Prostatectomy	36	2.8	1.1	*	2.8	2.6	*	8.3	4.2	*
Cholecystectomy	21	4.8	2.1	*	4.8	3.5	*	4.8	4.4	*
Hysterectomy	17	0.0	0.3	*	5.9	0.6	*	5.9	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 172
Occupancy Rate 60
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 48
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 131
Licensed Practical Nurses 20

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ASHTABULA GENERAL HOSPITAL

Medicare Provider Number: 360125

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,366	9.1	10.7	1.2	14.5	15.8	1.3	18.2	19.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	37	27.0	30.1	*	27.0	33.0	*	27.0	36.5	*
Congestive Heart Failure	76	17.1	21.1	6.0	31.6	31.3	5.3	47.4	39.1	6.3
Pneumonia/Influenza	109	20.2	22.7	4.5	33.0	30.0	4.8	37.6	35.3	4.8
Chronic Obstructive Pulmonary Disease	30	6.7	11.9	*	6.7	19.9	*	6.7	26.3	*
Transient Cerebral Ischemia	28	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	41	17.1	23.5	*	19.5	31.0	*	19.5	36.1	*
Hip Fracture	34	2.9	6.7	*	8.8	11.9	*	11.8	15.2	*
Sepsis	25	40.0	37.5	*	52.0	44.9	*	56.0	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	4.2	*	12.5	6.2	*	12.5	8.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	5.0	*	0.0	9.1	*	0.0	11.5	*
Open Reduction of Hip Fracture	23	0.0	5.4	*	8.7	10.1	*	13.0	13.2	*
Prostatectomy	39	0.0	0.8	*	2.6	2.0	*	2.6	3.3	*
Cholecystectomy	29	3.4	2.5	*	6.9	4.4	*	6.9	5.7	*
Hysterectomy	15	0.0	1.1	*	0.0	2.2	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,437	9.4	11.1	1.1	14.5	16.6	1.5	18.0	20.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	39	23.1	31.3	*	28.2	34.9	*	28.2	38.5	*
Congestive Heart Failure	71	22.5	19.5	6.4	35.2	28.9	6.4	45.1	36.2	7.5
Pneumonia/Influenza	99	16.2	21.9	6.5	27.3	28.9	6.4	32.3	34.5	5.6
Chronic Obstructive Pulmonary Disease	37	10.8	14.1	*	10.8	22.8	*	13.5	28.9	*
Transient Cerebral Ischemia	38	5.3	2.5	*	13.2	5.6	*	15.8	8.9	*
Stroke	48	20.8	21.3	*	27.1	28.3	*	33.3	32.9	*
Hip Fracture	31	0.0	9.9	*	3.2	17.0	*	3.2	21.2	*
Sepsis	23	17.4	31.6	*	26.1	39.9	*	30.4	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.5	*	20.0	8.9	*	30.0	13.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	8.0	*	0.0	14.5	*	0.0	18.2	*
Open Reduction of Hip Fracture	22	0.0	8.8	*	0.0	15.6	*	0.0	19.7	*
Prostatectomy	26	0.0	1.2	*	0.0	3.1	*	0.0	5.2	*
Cholecystectomy	15	0.0	2.8	*	6.7	4.8	*	6.7	6.3	*
Hysterectomy	15	0.0	1.2	*	0.0	2.8	*	0.0	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

AULTMAN HOSPITAL

2600 6th St SW
Canton, OH 44710

Medicare Provider Number: 360084

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,566	8.8	9.2	0.6	12.9	13.8	0.7	16.3	17.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	179	20.7	29.3	5.0	22.3	32.2	5.3	24.6	35.4	5.7
Congestive Heart Failure	288	16.7	15.0	2.3	25.7	22.9	3.6	35.1	29.6	4.6
Pneumonia/Influenza	228	14.0	16.7	3.4	20.2	22.5	4.3	23.7	27.0	5.2
Chronic Obstructive Pulmonary Disease	94	8.5	8.2	3.2	14.9	13.9	3.7	17.0	18.9	4.3
Transient Cerebral Ischemia	89	1.1	1.9	1.9	2.2	4.0	2.6	5.6	6.1	2.7
Stroke	198	15.7	21.7	4.4	21.7	28.5	5.2	26.3	33.0	4.8
Hip Fracture	136	9.6	7.0	3.8	12.5	12.0	2.9	15.4	15.3	3.1
Sepsis	52	30.8	30.4	6.4	40.4	39.7	6.9	46.2	46.2	7.2
PROCEDURES:										
Angioplasty	59	5.1	3.8	2.8	5.1	4.5	3.0	6.8	5.5	3.1
Coronary Artery Bypass Graft	138	2.2	6.0	2.7	5.1	8.2	2.7	8.7	9.7	2.6
Initial Pacemaker Insertion	56	0.0	3.4	4.0	3.6	6.3	4.9	7.1	9.0	4.7
Carotid Endarterectomy	25	0.0	1.3	*	4.0	2.4	*	4.0	3.4	*
Hip Replacement/Reconstruction	87	6.9	2.5	4.2	6.9	4.7	4.3	9.2	6.4	4.8
Open Reduction of Hip Fracture	60	5.0	6.8	4.1	11.7	12.3	4.8	15.0	15.8	4.9
Prostatectomy	144	3.5	0.9	1.9	6.2	2.1	2.4	7.6	3.7	2.6
Cholecystectomy	98	4.1	3.2	2.8	7.1	5.6	2.9	7.1	7.2	3.1
Hysterectomy	41	4.9	0.5	*	7.3	1.0	*	7.3	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	682
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	292
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	68
Registered Nurses	594
Licensed Practical Nurses	151

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

AULTMAN HOSPITAL

Medicare Provider Number: 360084

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,523	8.2	9.3	0.6	13.1	14.1	0.6	16.5	17.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	189	24.3	28.9	6.6	27.0	31.7	6.5	30.7	34.9	6.4
Congestive Heart Failure	267	17.6	17.3	2.4	30.0	25.7	3.8	34.8	32.6	3.2
Pneumonia/Influenza	195	16.9	17.4	2.9	22.6	23.2	3.1	26.7	27.8	3.4
Chronic Obstructive Pulmonary Disease	92	8.7	11.3	4.7	16.3	18.0	5.5	20.7	23.5	5.9
Transient Cerebral Ischemia	112	1.8	2.1	1.4	2.7	4.3	2.3	6.2	6.7	2.4
Stroke	186	20.4	23.5	5.2	27.4	30.2	4.8	30.6	34.9	5.5
Hip Fracture	134	3.0	8.1	3.0	6.7	14.3	4.1	12.7	17.9	4.7
Sepsis	49	30.6	34.2	*	46.9	42.8	*	55.1	49.2	*
PROCEDURES:										
Angioplasty	41	7.3	5.1	*	7.3	5.8	*	7.3	6.8	*
Coronary Artery Bypass Graft	121	8.3	6.7	2.8	12.4	8.7	4.0	14.0	10.0	5.1
Initial Pacemaker Insertion	18	16.7	5.1	*	16.7	8.2	*	22.2	11.4	*
Carotid Endarterectomy	31	0.0	1.6	*	3.2	3.0	*	3.2	4.5	*
Hip Replacement/Reconstruction	82	1.2	4.4	3.8	1.2	8.1	7.1	3.7	10.3	6.8
Open Reduction of Hip Fracture	65	3.1	7.0	4.7	9.2	12.9	5.5	15.4	16.7	4.7
Prostatectomy	131	0.8	1.4	1.2	3.1	3.4	2.3	3.8	5.6	2.6
Cholecystectomy	113	1.8	2.9	2.4	3.5	5.1	3.7	4.4	6.7	4.0
Hysterectomy	48	0.0	0.8	*	0.0	1.7	*	2.1	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,323	8.7	9.1	0.5	13.5	13.7	0.6	16.7	17.4	0.6
CONDITIONS:										
Acute Myocardial Infarction	180	28.3	31.8	3.9	35.0	35.3	3.6	36.7	38.6	3.8
Congestive Heart Failure	246	17.5	16.4	3.1	24.8	24.3	2.9	30.5	30.9	3.1
Pneumonia/Influenza	191	22.5	17.8	4.4	29.3	23.8	4.0	32.5	28.7	3.7
Chronic Obstructive Pulmonary Disease	118	13.6	12.3	3.3	23.7	19.6	5.1	28.8	25.1	5.4
Transient Cerebral Ischemia	101	2.0	2.2	1.6	4.0	4.5	2.9	5.0	7.0	3.9
Stroke	179	16.2	23.7	4.9	24.0	30.4	4.7	29.1	35.0	4.4
Hip Fracture	99	9.1	7.7	2.9	12.1	13.6	3.6	17.2	17.2	3.8
Sepsis	41	31.7	33.7	*	43.9	43.8	*	51.2	50.4	*
PROCEDURES:										
Angioplasty	23	0.0	3.4	*	0.0	4.0	*	4.3	5.0	*
Coronary Artery Bypass Graft	91	4.4	5.8	3.6	6.6	7.9	3.9	6.6	9.2	4.0
Initial Pacemaker Insertion	48	0.0	5.0	*	4.2	8.6	*	8.3	11.4	*
Carotid Endarterectomy	54	1.9	1.7	3.1	5.6	3.2	3.8	5.6	4.7	4.4
Hip Replacement/Reconstruction	73	2.7	3.6	2.3	6.8	6.6	2.9	11.0	8.7	4.2
Open Reduction of Hip Fracture	50	10.0	6.9	*	12.0	12.7	*	18.0	16.4	*
Prostatectomy	133	0.0	1.1	1.3	1.5	2.6	1.8	3.0	4.3	2.5
Cholecystectomy	95	3.2	3.5	2.5	6.3	6.1	2.5	7.4	7.8	2.9
Hysterectomy	50	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BARBERTON CITIZENS HOSPITAL

155 5th Street N E
Barberton, OH 44203

Medicare Provider Number: 360019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,592	9.5	8.6	0.9	13.5	13.3	0.7	16.9	17.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	77	29.9	28.6	5.6	35.1	31.8	6.0	40.3	35.1	7.0
Congestive Heart Failure	137	22.6	15.8	6.0	32.1	24.5	6.3	36.5	31.5	5.2
Pneumonia/Influenza	94	14.9	15.8	4.7	23.4	21.5	4.6	23.4	25.9	5.2
Chronic Obstructive Pulmonary Disease	68	14.7	8.9	5.9	14.7	14.7	5.1	19.1	19.6	4.9
Transient Cerebral Ischemia	50	0.0	2.2	*	2.0	4.9	*	4.0	7.8	*
Stroke	106	20.8	18.9	4.1	24.5	26.0	4.6	31.1	30.4	4.5
Hip Fracture	49	6.1	5.3	*	12.2	9.7	*	16.3	12.8	*
Sepsis	13	7.7	19.4	*	23.1	27.3	*	23.1	32.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	3.9	*	4.0	7.1	*	8.0	9.9	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	41	4.9	4.3	*	12.2	8.1	*	17.1	10.8	*
Open Reduction of Hip Fracture	18	0.0	4.2	*	0.0	8.0	*	0.0	10.7	*
Prostatectomy	74	0.0	1.1	1.7	0.0	2.7	3.7	4.1	4.7	3.0
Cholecystectomy	68	2.9	3.0	3.2	5.9	5.3	3.1	8.8	6.9	3.8
Hysterectomy	17	0.0	0.4	*	0.0	0.7	*	5.9	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	289
Occupancy Rate	57
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	154
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	13
Registered Nurses	221
Licensed Practical Nurses	89

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

BARBERTON CITIZENS HOSPITAL

Medicare Provider Number: 360019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,636	10.1	9.3	0.7	14.5	13.9	0.8	18.7	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	89	28.1	28.7	4.8	34.8	32.2	5.2	41.6	35.9	6.5
Congestive Heart Failure	131	26.7	16.1	4.9	35.1	24.2	5.3	38.9	31.0	4.9
Pneumonia/Influenza	100	19.0	15.1	4.8	19.0	20.9	4.4	26.0	24.9	4.4
Chronic Obstructive Pulmonary Disease	71	8.5	9.7	3.7	18.3	15.8	5.9	25.4	21.1	7.7
Transient Cerebral Ischemia	38	0.0	1.9	*	2.6	4.1	*	2.6	6.5	*
Stroke	91	15.4	19.5	5.4	22.0	26.7	7.1	25.3	31.3	9.3
Hip Fracture	56	8.9	6.9	3.9	10.7	12.0	4.5	16.1	15.2	4.9
Sepsis	24	20.8	28.9	*	37.5	37.8	*	37.5	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	5.1	*	7.7	8.5	*	7.7	11.7	*
Carotid Endarterectomy	18	0.0	1.3	*	0.0	2.6	*	5.6	3.8	*
Hip Replacement/Reconstruction	37	8.1	5.0	*	10.8	9.3	*	13.5	12.1	*
Open Reduction of Hip Fracture	25	4.0	5.8	*	4.0	10.4	*	12.0	13.4	*
Prostatectomy	82	1.2	1.1	1.2	2.4	2.8	2.0	2.4	4.6	3.0
Cholecystectomy	80	0.0	3.0	*	0.0	4.8	*	0.0	6.2	*
Hysterectomy	14	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,668	9.4	9.9	0.8	13.6	14.4	1.3	17.0	18.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	91	28.6	31.9	6.0	35.2	35.3	5.4	39.6	38.7	5.2
Congestive Heart Failure	149	21.5	16.3	5.4	28.9	24.6	6.5	38.3	31.5	7.3
Pneumonia/Influenza	119	14.3	16.1	3.8	20.2	21.8	4.7	22.7	26.3	5.5
Chronic Obstructive Pulmonary Disease	62	4.8	11.6	5.3	4.8	19.0	7.0	12.9	24.7	7.2
Transient Cerebral Ischemia	64	1.6	2.2	2.2	4.7	4.6	3.5	9.4	7.3	4.6
Stroke	101	21.8	23.5	4.4	24.8	30.8	6.2	28.7	35.4	7.2
Hip Fracture	71	7.0	6.1	3.9	9.9	11.0	4.1	15.5	14.3	4.7
Sepsis	34	26.5	20.6	*	29.4	27.9	*	29.4	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	11.1	3.6	*	11.1	6.9	*	11.1	9.7	*
Carotid Endarterectomy	19	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	51	2.0	3.9	3.3	5.9	7.5	3.9	7.8	9.9	5.1
Open Reduction of Hip Fracture	30	10.0	5.8	*	10.0	10.9	*	16.7	14.4	*
Prostatectomy	82	2.4	1.3	2.5	6.1	3.2	3.6	8.5	5.3	4.0
Cholecystectomy	72	0.0	2.4	2.9	4.2	4.3	3.2	5.6	5.6	2.7
Hysterectomy	16	0.0	1.0	*	0.0	2.0	*	0.0	2.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

19.1

BARBERTON CITIZENS HOSPITAL

December 17, 1990

MEDICARE PROVIDER #:
360019

Health Care Financing Administration
Health Care Standards and Quality Bureau
Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Providing quality health care is the utmost concern to this hospital's board of trustees, medical staff and management team. Therefore, we appreciate the opportunity to comment to the Health Care Financing Administration (HCFA) about our quality assurance activities and confirm that the release of this information will be used as a tool in our continual monitoring of quality care. The efforts of HCFA to continually refine the statistical model is greatly appreciated. However, mortality data such as this is not a true measure of quality care. Although we are strong proponents of the public's right to obtain useful, reliable information on the quality of health care available to them, we also advocate understanding the proper way to interpret this information. Despite the apparent significance of the information we fear that consumers will draw inaccurate conclusions from the data.

The mortality data does not necessarily identify areas in which this or any other hospital provides "high quality" or "low quality" care. A mortality rate higher than predicted does not confirm the existence of quality problems, just as a mortality rate lower than predicted does not necessarily establish a "high quality" care performance. Actual mortality rates can be higher or lower for a variety of reasons. Improved efforts must be made to adequately account for the severity of a patient's illness, a prerequisite to meaningful death statistics. While the HCFA mortality data has attempted to adjust for certain factors related to the patient's condition, the methodology must continue to be refined.

Tuscora Park • 155 5th Street N E • Barberton Ohio 44203 • (216) 745-1611

We feel that comparisons of actual and predicted mortality rates, such as this study, should be viewed as only a "crude" measure of quality. The data can merely suggest that the hospital and its medical staff review an area to determine if a quality problem exists or if the type of patients treated by the hospital have unique characteristics that would contribute toward the institution's mortality rates.

Barberton Citizens Hospital and its medical staff routinely researches patient records, conducts study and takes prompt and thorough action, if deemed necessary. The mission of the hospital has and will continue to be to strive for excellence in patient care and to provide the highest quality of medical care to the community.

Sincerely,

M. A. Bernatovicz
President
Barberton Citizens Hospital
Medicare Provider Number 360019

BARNESVILLE HOSPITAL ASSOCIATION

639 W Main St
Barnesville, OH 43713

Medicare Provider Number: 360154

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	669	12.6	10.0	1.8	18.2	14.6	2.0	21.7	18.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	25	52.0	34.8	*	52.0	38.3	*	60.0	41.9	*
Congestive Heart Failure	61	9.8	14.5	5.5	26.2	23.1	5.7	31.1	29.9	7.4
Pneumonia/Influenza	64	17.2	19.4	5.3	23.4	26.0	7.0	26.6	30.9	9.9
Chronic Obstructive Pulmonary Disease	5	20.0	3.3	*	20.0	6.1	*	20.0	8.6	*
Transient Cerebral Ischemia	32	0.0	1.9	*	3.1	4.1	*	3.1	6.6	*
Stroke	24	37.5	23.5	*	58.3	29.6	*	58.3	34.2	*
Hip Fracture	16	18.8	6.7	*	18.8	12.1	*	18.8	15.7	*
Sepsis	5	0.0	29.6	*	20.0	39.4	*	20.0	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	2.6	*	25.0	4.9	*	25.0	7.5	*
Carotid Endarterectomy	5	0.0	2.0	*	0.0	4.0	*	0.0	5.9	*
Hip Replacement/Reconstruction	7	28.6	6.8	*	28.6	12.4	*	28.6	16.1	*
Open Reduction of Hip Fracture	5	0.0	4.0	*	0.0	7.4	*	0.0	9.8	*
Prostatectomy	9	0.0	1.3	*	0.0	3.6	*	0.0	6.6	*
Cholecystectomy	12	0.0	4.4	*	0.0	7.6	*	0.0	9.4	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 66
Occupancy Rate 56
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 19
Percent of Physicians Board Certified Specialists 53
Medical Residents/Interns 0
Registered Nurses 50
Licensed Practical Nurses 22

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BARNESVILLE HOSPITAL ASSOCIATION

Medicare Provider Number: 360154

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	663	10.0	10.6	1.8	14.9	15.3	1.6	19.5	19.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	34	17.6	34.3	*	20.6	37.7	*	20.6	41.5	*
Congestive Heart Failure	60	11.7	15.9	8.7	16.7	24.0	9.7	28.3	30.7	8.3
Pneumonia/Influenza	57	15.8	18.1	5.4	29.8	24.3	6.5	31.6	29.1	7.3
Chronic Obstructive Pulmonary Disease	9	11.1	5.6	*	11.1	10.5	*	22.2	15.0	*
Transient Cerebral Ischemia	32	6.3	2.0	*	12.5	4.3	*	12.5	6.8	*
Stroke	24	33.3	25.1	*	33.3	31.7	*	41.7	36.8	*
Hip Fracture	19	5.3	7.4	*	10.5	12.9	*	10.5	16.3	*
Sepsis	1	0.0	4.3	*	0.0	7.1	*	0.0	10.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.0	*	0.0	3.5	*	0.0	5.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	6.7	*	11.1	12.1	*	11.1	15.2	*
Open Reduction of Hip Fracture	7	14.3	6.5	*	14.3	11.8	*	14.3	15.0	*
Prostatectomy	11	0.0	0.8	*	0.0	2.0	*	0.0	3.2	*
Cholecystectomy	10	10.0	4.7	*	10.0	6.8	*	10.0	7.9	*
Hysterectomy	4	0.0	2.0	*	0.0	4.7	*	25.0	7.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	639	10.6	12.0	2.6	15.6	17.2	2.9	19.2	21.2	2.8
CONDITIONS:										
Acute Myocardial Infarction	39	30.8	29.7	*	30.8	32.9	*	30.8	36.4	*
Congestive Heart Failure	42	9.5	14.6	*	14.3	21.7	*	16.7	27.7	*
Pneumonia/Influenza	59	20.3	22.4	6.0	27.1	29.6	6.5	35.6	35.1	8.3
Chronic Obstructive Pulmonary Disease	11	9.1	5.0	*	18.2	10.1	*	27.3	15.2	*
Transient Cerebral Ischemia	19	5.3	2.1	*	21.1	4.6	*	21.1	7.4	*
Stroke	27	14.8	25.3	*	29.6	33.2	*	29.6	38.3	*
Hip Fracture	7	0.0	11.4	*	14.3	19.2	*	14.3	23.8	*
Sepsis	10	40.0	29.5	*	40.0	35.5	*	40.0	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	19.2	*	0.0	27.3	*	0.0	31.8	*
Carotid Endarterectomy	3	0.0	1.8	*	33.3	3.3	*	33.3	4.9	*
Hip Replacement/Reconstruction	1	0.0	34.1	*	100.0	56.9	*	100.0	68.7	*
Open Reduction of Hip Fracture	0									
Prostatectomy	13	0.0	0.5	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy	16	6.3	2.6	*	6.3	4.3	*	6.3	5.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

21.1

BARNESVILLE HOSPITAL ASSOCIATION

Certified Mail # P-591 508 293

Medicare Provider #36-0154

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Subject: Comments regarding FY 1989 Medicare Hospital Mortality Rates

The following comments are hereby submitted by Barnesville Hospital Association, Inc. (Medicare Provider #36-0154) for inclusion in the Medicare Hospital Mortality Information to be published in 1991.

Sincerely,

Richard L. Doan
Chief Executive Officer

RLD:sch

COMMENT: "Close examination of the mortality data reported for Barnesville Hospital clearly reveals many facts which are effectively concealed by the limited report format. For example, if the "expected range" of mortality rates is calculated, as was calculated and reported in all previous reports, Barnesville Hospital's mortality rate is, again, well within the "expected range." In this regard, the reporting format is, in our opinion, very misleading to the general public.

Barnesville Hospital's role as a primary care/referral hospital serving a large geographical area with a diverse demography results in a service area population prone to fluctuations in mortality rates. Minute fluctuations in the actual number of mortalities, when applied to the relatively small number of patients treated, can result in periodic distortions of actual versus predicted mortality rates.

Thus, if the mortality rate observed at Barnesville Hospital is calculated for the past three-year period, this observed rate is virtually identical to the predicted rate applied by Medicare. This fact is not disclosed, and, in our opinion, again indicates the limited utility of the data for public use.

639 West Main Street • Barnesville, OH 43713 • (614) 425-3941

BARNESVILLE HOSPITAL ASSOCIATION

Barnesville Hospital is fully accredited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO). Compliance with JCAHO standards, which are universally accepted by Medicare, requires close inspection and investigation of all mortalities. All mortalities are reviewed on a monthly basis to determine the appropriateness of treatment. The findings from this internal mortality review have not revealed internal problems. Despite the misleading report format, these internal findings are consistent with the Medicare Hospital Mortality Report which again reveals no statistically significant deviation between observed and predicted mortality rates for Barnesville Hospital."

[END COMMENT]

BELLEVUE HOSPITAL

811 Northwest St
Bellevue, OH 44811

Medicare Provider Number: 360107

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	453	9.1	8.1	1.7	13.5	12.1	2.2	16.6	15.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	31.5	*	29.4	35.4	*	35.3	38.9	*
Congestive Heart Failure	27	18.5	14.6	*	29.6	23.3	*	29.6	30.4	*
Pneumonia/Influenza	19	21.1	17.4	*	31.6	24.5	*	36.8	29.5	*
Chronic Obstructive Pulmonary Disease	10	10.0	8.3	*	20.0	14.6	*	20.0	20.1	*
Transient Cerebral Ischemia	6	0.0	2.1	*	0.0	4.7	*	0.0	7.5	*
Stroke	14	21.4	19.2	*	21.4	25.7	*	21.4	30.1	*
Hip Fracture	11	9.1	7.5	*	9.1	13.7	*	9.1	18.0	*
Sepsis	6	33.3	34.2	*	33.3	40.0	*	33.3	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.3	*	0.0	3.0	*	0.0	4.9	*
Carotid Endarterectomy	6	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	8	0.0	2.3	*	0.0	4.5	*	0.0	6.3	*
Open Reduction of Hip Fracture	8	12.5	7.2	*	12.5	13.7	*	12.5	18.1	*
Prostatectomy	8	0.0	1.0	*	12.5	2.7	*	12.5	4.7	*
Cholecystectomy	9	0.0	1.3	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	36
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	19
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	47
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BELLEVUE HOSPITAL

Medicare Provider Number: 360107

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	506	5.1	8.1	1.6	8.7	12.3	2.1	11.5	15.7	2.3
CONDITIONS:										
Acute Myocardial Infarction	22	9.1	27.6	*	9.1	30.6	*	9.1	34.3	*
Congestive Heart Failure	23	8.7	15.3	*	8.7	23.2	*	17.4	29.9	*
Pneumonia/Influenza	19	10.5	16.8	*	15.8	22.9	*	21.1	27.6	*
Chronic Obstructive Pulmonary Disease	15	13.3	6.7	*	13.3	11.9	*	13.3	16.5	*
Transient Cerebral Ischemia	11	0.0	2.7	*	0.0	6.1	*	0.0	9.5	*
Stroke	12	33.3	23.7	*	33.3	31.3	*	33.3	36.6	*
Hip Fracture	13	0.0	9.7	*	0.0	17.2	*	15.4	21.4	*
Sepsis	1	0.0	25.3	*	0.0	30.1	*	0.0	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	2.6	*	50.0	4.9	*	50.0	7.0	*
Carotid Endarterectomy	13	0.0	1.6	*	0.0	3.1	*	0.0	4.7	*
Hip Replacement/Reconstruction	11	0.0	4.9	*	0.0	9.2	*	9.1	11.8	*
Open Reduction of Hip Fracture	5	0.0	5.1	*	0.0	9.7	*	20.0	12.8	*
Prostatectomy	6	0.0	0.6	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	16	6.3	3.6	*	6.3	7.0	*	6.3	9.3	*
Hysterectomy	6	0.0	2.8	*	0.0	5.7	*	33.3	8.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	505	6.1	8.0	2.0	10.7	12.2	2.1	13.9	15.6	2.3
CONDITIONS:										
Acute Myocardial Infarction	24	29.2	27.4	*	29.2	30.7	*	29.2	34.0	*
Congestive Heart Failure	26	3.8	12.7	*	19.2	19.3	*	26.9	25.2	*
Pneumonia/Influenza	21	14.3	15.5	*	23.8	21.1	*	23.8	25.6	*
Chronic Obstructive Pulmonary Disease	17	0.0	10.1	*	5.9	17.8	*	11.8	24.0	*
Transient Cerebral Ischemia	10	0.0	2.6	*	0.0	5.8	*	10.0	9.3	*
Stroke	17	29.4	21.4	*	35.3	27.9	*	35.3	32.6	*
Hip Fracture	8	0.0	6.1	*	0.0	11.0	*	12.5	14.3	*
Sepsis	2	0.0	29.5	*	0.0	42.2	*	50.0	50.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.3	*	0.0	5.0	*	0.0	7.4	*
Carotid Endarterectomy	14	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	6	0.0	4.9	*	0.0	9.7	*	0.0	13.0	*
Open Reduction of Hip Fracture	1	0.0	5.4	*	0.0	10.3	*	0.0	13.6	*
Prostatectomy	13	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*
Cholecystectomy	5	0.0	1.8	*	0.0	3.8	*	0.0	5.8	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BERGER HOSPITAL

600N Pickaway St
Circleville, OH 43113

Medicare Provider Number: 360170

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	343	11.7	11.6	1.8	16.3	17.0	2.1	21.0	21.1	2.4
CONDITIONS:										
Acute Myocardial Infarction	11	54.5	33.7	*	54.5	37.1	*	63.6	41.2	*
Congestive Heart Failure	24	16.7	16.1	*	16.7	25.1	*	16.7	32.3	*
Pneumonia/Influenza	25	20.0	20.1	*	40.0	27.2	*	56.0	32.7	*
Chronic Obstructive Pulmonary Disease	9	11.1	12.4	*	11.1	19.5	*	11.1	24.3	*
Transient Cerebral Ischemia	6	16.7	1.9	*	16.7	4.3	*	16.7	6.9	*
Stroke	13	15.4	19.2	*	30.8	26.4	*	38.5	31.1	*
Hip Fracture	13	7.7	5.7	*	7.7	10.2	*	7.7	13.4	*
Sepsis	14	21.4	31.0	*	28.6	38.0	*	28.6	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	7.5	*	33.3	13.5	*	33.3	17.2	*
Open Reduction of Hip Fracture	7	0.0	4.4	*	0.0	8.5	*	0.0	11.4	*
Prostatectomy	12	0.0	0.9	*	0.0	2.1	*	0.0	3.4	*
Cholecystectomy	3	0.0	0.7	*	0.0	1.2	*	0.0	1.7	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 44
Occupancy Rate 41
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 22
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 24
Licensed Practical Nurses 12

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BERGER HOSPITAL

Medicare Provider Number: 360170

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	372	10.5	10.3	1.9	13.7	15.5	2.3	19.4	19.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	6	66.7	43.9	*	66.7	48.2	*	100.0	53.1	*
Congestive Heart Failure	22	4.5	14.7	*	4.5	21.6	*	27.3	27.7	*
Pneumonia/Influenza	29	6.9	15.4	*	13.8	20.9	*	20.7	25.4	*
Chronic Obstructive Pulmonary Disease	18	5.6	5.7	*	11.1	10.9	*	11.1	15.6	*
Transient Cerebral Ischemia	1	0.0	1.0	*	0.0	2.1	*	0.0	3.1	*
Stroke	12	33.3	28.0	*	33.3	36.6	*	33.3	42.2	*
Hip Fracture	10	10.0	6.5	*	10.0	12.4	*	10.0	16.3	*
Sepsis	12	16.7	26.7	*	16.7	33.3	*	33.3	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	40.0	4.4	*	40.0	8.4	*	40.0	11.2	*
Open Reduction of Hip Fracture	5	0.0	5.1	*	0.0	10.2	*	0.0	13.8	*
Prostatectomy	3	0.0	1.2	*	0.0	3.0	*	0.0	4.9	*
Cholecystectomy	3	0.0	1.5	*	0.0	2.6	*	0.0	3.4	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	395	13.7	11.5	2.6	19.2	16.8	3.6	23.5	20.9	4.2
CONDITIONS:										
Acute Myocardial Infarction	10	40.0	33.0	*	50.0	36.9	*	60.0	41.2	*
Congestive Heart Failure	28	25.0	20.5	*	42.9	30.9	*	50.0	39.0	*
Pneumonia/Influenza	35	34.3	19.3	*	34.3	26.0	*	42.9	31.2	*
Chronic Obstructive Pulmonary Disease	6	16.7	3.9	*	33.3	7.6	*	33.3	10.9	*
Transient Cerebral Ischemia	4	0.0	2.2	*	0.0	5.3	*	0.0	8.7	*
Stroke	18	33.3	22.3	*	33.3	28.8	*	33.3	33.2	*
Hip Fracture	17	5.9	5.1	*	5.9	9.6	*	23.5	12.8	*
Sepsis	12	33.3	30.6	*	41.7	38.8	*	41.7	45.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	5.2	*	0.0	10.1	*	11.1	13.5	*
Open Reduction of Hip Fracture	9	11.1	3.9	*	11.1	7.8	*	33.3	10.6	*
Prostatectomy	0									
Cholecystectomy	4	0.0	2.2	*	0.0	3.9	*	0.0	5.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BETHESDA HOSPITAL

619 Oak Street
Cincinnati, OH 45206

Medicare Provider Number: 360179

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,549	8.8	9.2	0.5	13.9	14.0	0.5	18.0	17.9	0.5
CONDITIONS:										
Acute Myocardial Infarction	156	25.6	28.3	4.0	30.1	31.7	4.8	30.8	35.0	4.8
Congestive Heart Failure	342	14.3	15.4	2.2	23.7	23.8	2.3	33.0	30.7	3.3
Pneumonia/Influenza	314	16.9	19.1	2.7	25.8	25.7	2.5	31.5	30.7	2.8
Chronic Obstructive Pulmonary Disease	86	9.3	7.7	4.1	17.4	13.4	4.3	24.4	18.5	5.7
Transient Cerebral Ischemia	107	2.8	2.0	1.6	4.7	4.5	2.3	7.5	7.3	2.6
Stroke	205	21.0	21.2	3.2	24.4	28.1	4.2	29.3	32.4	4.4
Hip Fracture	147	8.8	7.2	2.8	11.6	12.7	2.9	15.6	16.4	3.4
Sepsis	58	27.6	29.6	6.8	50.0	37.6	9.3	51.7	43.5	7.3
PROCEDURES:										
Angioplasty	1	0.0	6.4	*	0.0	7.1	*	0.0	8.1	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	46	2.2	4.1	*	6.5	8.0	*	15.2	11.4	*
Carotid Endarterectomy	17	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	80	5.0	5.0	2.5	8.7	9.0	3.6	12.5	11.7	4.0
Open Reduction of Hip Fracture	45	6.7	6.5	*	8.9	12.0	*	15.6	15.7	*
Prostatectomy	179	1.7	1.1	0.9	2.8	2.6	2.1	6.7	4.4	3.0
Cholecystectomy	128	3.1	2.7	1.5	3.9	4.9	2.2	7.0	6.6	2.2
Hysterectomy	30	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 763
Ownership/Control ..... Church

STAFFING:

Medical Residents/Interns 35
Registered Nurses 586
Licensed Practical Nurses 115

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... Yes
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

BETHESDA HOSPITAL

Medicare Provider Number: 360179

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,793	9.1	9.7	0.5	14.0	14.9	0.7	17.6	18.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	170	28.8	27.5	3.6	32.4	30.6	3.9	36.5	34.1	4.3
Congestive Heart Failure	319	10.7	16.8	3.0	19.4	25.5	3.5	25.1	32.5	3.8
Pneumonia/Influenza	246	16.3	19.1	4.6	22.8	25.5	5.1	28.5	30.4	4.3
Chronic Obstructive Pulmonary Disease	80	6.3	7.2	4.4	11.2	12.2	4.2	15.0	16.7	4.4
Transient Cerebral Ischemia	111	0.0	2.0	2.2	2.7	4.3	3.3	4.5	6.8	4.2
Stroke	217	15.2	21.6	4.2	25.3	28.9	3.7	31.3	33.6	3.4
Hip Fracture	160	8.1	7.2	2.3	14.4	13.0	3.6	19.4	16.6	5.0
Sepsis	60	33.3	32.5	6.4	35.0	40.7	7.4	45.0	47.1	7.1
PROCEDURE:										
Angioplasty	1	0.0	10.0	*	0.0	10.8	*	0.0	11.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	39	5.1	5.6	*	12.8	9.9	*	12.8	13.4	*
Carotid Endarterectomy	22	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	97	7.2	4.2	3.5	10.3	8.0	3.9	11.3	10.5	3.9
Open Reduction of Hip Fracture	59	5.1	6.3	3.8	10.2	11.9	4.6	15.3	15.6	4.7
Prostatectomy	156	1.3	1.7	1.3	2.6	3.8	2.2	3.8	6.1	2.9
Cholecystectomy	101	1.0	2.9	2.3	3.0	5.2	3.4	4.0	6.8	4.1
Hysterectomy	42	0.0	0.6	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,031	10.5	10.0	0.6	15.3	15.3	0.5	18.6	19.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	185	31.4	28.6	4.1	35.7	32.0	4.3	37.8	35.3	4.4
Congestive Heart Failure	266	14.3	17.3	4.2	24.8	25.8	5.2	30.5	32.6	4.4
Pneumonia/Influenza	231	22.9	21.9	3.8	30.7	28.8	3.8	36.4	34.1	3.8
Chronic Obstructive Pulmonary Disease	81	16.0	11.3	6.5	23.5	18.1	6.5	29.6	23.1	7.1
Transient Cerebral Ischemia	116	1.7	2.2	1.8	1.7	4.7	3.1	3.4	7.4	4.4
Stroke	215	19.1	23.3	4.5	24.2	30.7	5.0	28.8	35.4	5.6
Hip Fracture	162	5.6	7.0	2.5	11.1	12.7	4.0	14.2	16.4	4.5
Sepsis	53	24.5	30.9	8.7	30.2	39.0	10.8	32.1	45.4	12.2
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	58	0.0	4.0	3.7	1.7	8.5	5.2	5.2	12.5	6.1
Carotid Endarterectomy	17	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	94	4.3	4.6	2.3	8.5	9.0	3.7	10.6	12.0	5.1
Open Reduction of Hip Fracture	71	1.4	5.5	4.1	5.6	10.6	5.9	9.9	14.2	6.1
Prostatectomy	175	0.0	1.1	1.0	1.1	2.8	1.6	1.1	4.6	2.5
Cholecystectomy	120	2.5	2.9	1.6	6.7	5.2	2.4	8.3	6.7	3.8
Hysterectomy	33	3.0	1.0	*	3.0	2.1	*	3.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

27.1

Bethesda

Glen E. McPheron MD
Senior Vice President
Quality Assessment and Medical Affairs

January 8, 1991

Healthcare Financing Administration
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to comment on the 1989 HCFA Medicare Hospital Mortality Information for Bethesda Hospitals. Please find enclosed our comments to be released with the mortality data.

If you have any questions, please contact me directly.

Sincerely,

Glen E. McPheron, M.D.

GEM:ps
Enclosure

cc: L.T. Wilburn, Jr.

Bethesda

Provider No.: 360179

COMMENTS ON HCFA MORTALITY DATA

Bethesda Hospital, Inc.
Cincinnati, OH

Bethesda Hospital, Inc. operates Bethesda North Hospital and Bethesda Oak Hospital, both members of the American Hospital Association. Hospital characteristics obtained by HCFA from the American Hospital Association's Annual Survey of Hospitals, 1989 do not include the characteristics of both hospitals for which mortality rates are combined. For 1989, Bethesda Hospital, Inc. had 717 beds set up and staffed for use with a 70% occupancy rate. Staffing included 645 registered nurse full-time equivalents and 112 licensed practical nurse full-time equivalents. Bethesda specialty services included cardiac intensive care, medical/surgical intensive care, other intensive care, rehabilitation unit and hospice as defined under the AHA 1989 Annual Survey.

BETHESDA HOSPITAL ASSOCIATION

2951 Maple Ave
Zanesville, OH 43701

Medicare Provider Number: 360193

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,998	8.2	8.9	0.8	13.2	13.4	0.8	17.0	17.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	67	23.9	28.4	6.8	32.8	31.5	6.1	35.8	34.8	5.9
Congestive Heart Failure	114	14.9	15.1	5.9	26.3	23.6	4.8	29.8	30.7	4.4
Pneumonia/Influenza	123	16.3	15.7	3.9	22.8	21.1	4.5	29.3	25.7	6.7
Chronic Obstructive Pulmonary Disease	39	10.3	8.1	*	28.2	13.4	*	30.8	18.1	*
Transient Cerebral Ischemia	32	0.0	1.7	*	0.0	3.7	*	3.1	6.0	*
Stroke	83	21.7	22.9	6.7	30.1	29.6	8.0	34.9	34.2	6.3
Hip Fracture	46	4.3	6.8	*	6.5	12.2	*	10.9	15.8	*
Sepsis	14	42.9	26.4	*	42.9	34.4	*	50.0	41.0	*
PROCEDURES:										
Angioplasty	5	60.0	8.4	*	60.0	9.3	*	60.0	10.4	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	4.7	*	11.8	8.5	*	11.8	11.9	*
Carotid Endarterectomy	8	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	34	8.8	3.7	*	8.8	6.8	*	11.8	8.9	*
Open Reduction of Hip Fracture	5	0.0	5.6	*	0.0	10.4	*	20.0	13.5	*
Prostatectomy	45	0.0	0.9	*	0.0	2.4	*	4.4	4.1	*
Cholecystectomy	35	2.9	2.5	*	2.9	4.7	*	2.9	6.1	*
Hysterectomy	19	0.0	0.8	*	5.3	1.6	*	5.3	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	260
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	114
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	288
Licensed Practical Nurses	57

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BETHESDA HOSPITAL ASSOCIATION

Medicare Provider Number: 360193

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,902	7.9	8.8	1.2	12.9	13.3	1.2	16.5	17.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	63	33.3	27.9	6.9	39.7	30.9	8.2	39.7	34.4	8.4
Congestive Heart Failure	107	12.1	15.6	3.8	27.1	23.9	4.5	37.4	30.7	5.5
Pneumonia/Influenza	128	12.5	15.7	4.3	18.8	21.3	5.3	23.4	25.7	4.4
Chronic Obstructive Pulmonary Disease	35	5.7	7.3	*	17.1	13.4	*	25.7	19.0	*
Transient Cerebral Ischemia	28	0.0	1.8	*	0.0	3.9	*	0.0	6.0	*
Stroke	78	17.9	21.0	6.2	24.4	27.1	7.4	28.2	31.5	7.2
Hip Fracture	50	12.0	7.5	*	14.0	13.5	*	20.0	17.3	*
Sepsis	18	11.1	35.7	*	16.7	44.4	*	22.2	51.5	*
PROCEDURES:										
Angioplasty	2	0.0	10.4	*	0.0	11.4	*	0.0	12.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	11.1	10.6	*	16.7	14.3	*	16.7	17.8	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	39	7.7	2.5	*	10.3	4.8	*	12.8	6.5	*
Open Reduction of Hip Fracture	9	11.1	6.1	*	11.1	11.3	*	11.1	14.8	*
Prostatectomy	32	3.1	0.9	*	3.1	2.3	*	6.3	4.0	*
Cholecystectomy	38	2.6	2.3	*	7.9	4.5	*	10.5	6.2	*
Hysterectomy	15	0.0	0.6	*	6.7	1.2	*	6.7	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,853	8.5	9.2	1.0	13.1	13.9	1.0	17.5	17.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	62	30.6	30.4	5.9	33.9	33.1	6.2	38.7	36.5	7.4
Congestive Heart Failure	94	19.1	16.4	4.3	29.8	24.5	6.3	38.3	31.5	6.4
Pneumonia/Influenza	93	6.5	16.9	6.3	17.2	23.0	6.4	22.6	28.0	5.4
Chronic Obstructive Pulmonary Disease	27	18.5	13.5	*	22.2	22.5	*	25.9	28.9	*
Transient Cerebral Ischemia	29	3.4	1.6	*	3.4	3.4	*	3.4	5.5	*
Stroke	81	23.5	22.3	4.8	32.1	28.8	7.7	35.8	33.5	7.1
Hip Fracture	50	2.0	6.8	*	12.0	12.0	*	18.0	15.4	*
Sepsis	11	27.3	22.7	*	27.3	29.9	*	27.3	35.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	4.2	4.7	*	4.2	8.2	*	4.2	11.3	*
Carotid Endarterectomy	9	0.0	1.2	*	11.1	2.1	*	11.1	3.1	*
Hip Replacement/Reconstruction	37	0.0	3.0	*	0.0	5.7	*	8.1	7.7	*
Open Reduction of Hip Fracture	8	0.0	5.1	*	12.5	9.3	*	12.5	12.1	*
Prostatectomy	44	2.3	1.2	*	2.3	2.9	*	9.1	4.8	*
Cholecystectomy	38	0.0	2.2	*	2.6	3.9	*	5.3	5.2	*
Hysterectomy	16	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BLANCHARD VALLEY HOSPITAL

145 W Wallace
Findlay, OH 45840

Medicare Provider Number: 360095

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,719	7.4	8.7	1.0	12.0	13.1	1.2	15.1	16.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	82	29.3	31.0	6.0	31.7	34.3	6.9	34.1	37.9	7.5
Congestive Heart Failure	95	13.7	13.5	5.5	26.3	20.8	9.6	31.6	27.1	7.3
Pneumonia/Influenza	53	13.2	13.8	4.9	20.8	18.8	6.1	24.5	22.9	6.8
Chronic Obstructive Pulmonary Disease	26	3.8	5.9	*	3.8	10.6	*	15.4	15.0	*
Transient Cerebral Ischemia	26	0.0	2.2	*	0.0	4.9	*	0.0	8.0	*
Stroke	63	23.8	20.4	5.9	30.2	26.0	7.6	36.5	30.1	9.0
Hip Fracture	47	8.5	7.7	*	14.9	13.6	*	21.3	17.2	*
Sepsis	11	18.2	20.8	*	18.2	27.0	*	18.2	32.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	3.5	*	7.7	6.1	*	7.7	8.5	*
Carotid Endarterectomy	7	0.0	0.9	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	35	2.9	2.1	*	5.7	3.9	*	5.7	5.1	*
Open Reduction of Hip Fracture	34	11.8	7.5	*	17.6	13.9	*	26.5	17.9	*
Prostatectomy	42	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*
Cholecystectomy	36	0.0	1.8	*	2.8	3.0	*	2.8	3.8	*
Hysterectomy	9	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 181
Occupancy Rate 59
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 86
Percent of Physicians Board Certified Specialists 69
Medical Residents/Interns 0
Registered Nurses 174
Licensed Practical Nurses 60

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BLANCHARD VALLEY HOSPITAL

Medicare Provider Number: 360095

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,834	7.0	8.2	0.9	11.1	12.5	1.1	13.7	16.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	65	23.1	31.2	11.3	30.8	34.5	11.6	32.3	38.0	10.5
Congestive Heart Failure	111	9.0	14.8	4.3	12.6	22.4	6.0	18.0	28.8	6.9
Pneumonia/Influenza	55	25.5	18.3	6.4	27.3	24.5	6.0	29.1	29.2	6.1
Chronic Obstructive Pulmonary Disease	35	11.4	7.3	*	17.1	13.1	*	20.0	18.2	*
Transient Cerebral Ischemia	27	0.0	2.1	*	0.0	4.5	*	3.7	7.0	*
Stroke	61	16.4	19.9	7.7	21.3	26.6	10.2	23.0	31.2	13.1
Hip Fracture	57	0.0	6.4	6.9	3.5	11.7	8.7	7.0	15.1	8.5
Sepsis	10	20.0	17.3	*	30.0	26.6	*	30.0	33.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	6.5	*	6.7	11.0	*	6.7	14.7	*
Carotid Endarterectomy	11	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	53	0.0	2.6	3.4	3.8	5.1	5.3	3.8	7.0	5.8
Open Reduction of Hip Fracture	36	0.0	5.7	*	0.0	10.9	*	5.6	14.3	*
Prostatectomy	42	2.4	0.7	*	2.4	1.8	*	4.8	3.1	*
Cholecystectomy	37	0.0	2.6	*	2.7	4.9	*	5.4	6.6	*
Hysterectomy	14	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,868	8.6	8.8	0.7	12.9	13.4	0.9	15.6	17.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	78	30.8	31.0	7.3	33.3	33.9	6.6	33.3	37.2	6.8
Congestive Heart Failure	104	15.4	17.0	5.9	27.9	25.5	5.5	31.7	32.5	4.7
Pneumonia/Influenza	59	18.6	16.9	5.8	23.7	22.7	5.5	25.4	27.5	6.1
Chronic Obstructive Pulmonary Disease	20	25.0	8.0	*	30.0	14.3	*	30.0	19.8	*
Transient Cerebral Ischemia	40	0.0	2.2	*	0.0	5.1	*	0.0	8.1	*
Stroke	76	25.0	21.6	8.3	34.2	28.1	10.5	39.5	32.8	12.3
Hip Fracture	52	3.8	6.7	4.4	9.6	11.9	5.7	11.5	15.3	7.1
Sepsis	7	0.0	18.1	*	0.0	26.5	*	14.3	32.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	4.7	*	0.0	8.4	*	5.6	11.7	*
Carotid Endarterectomy	17	0.0	1.6	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	42	2.4	3.5	*	7.1	6.5	*	7.1	8.6	*
Open Reduction of Hip Fracture	33	3.0	6.1	*	6.1	11.6	*	9.1	15.2	*
Prostatectomy	53	0.0	0.7	1.4	1.9	1.7	2.1	3.8	2.8	3.0
Cholecystectomy	36	2.8	2.8	*	5.6	4.7	*	5.6	5.9	*
Hysterectomy	13	0.0	0.3	*	7.7	0.7	*	7.7	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BLUFFTON COMMUNITY HOSPITAL

139 Garau St
Bluffton, OH 45817

Medicare Provider Number: 360169

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	317	7.6	8.4	1.7	12.9	12.6	1.9	14.8	16.2	2.5
CONDITIONS:										
Acute Myocardial Infarction	17	11.8	21.0	*	17.6	23.9	*	17.6	27.1	*
Congestive Heart Failure	32	6.3	15.1	*	15.6	23.7	*	18.8	31.0	*
Pneumonia/Influenza	18	16.7	14.0	*	22.2	19.7	*	22.2	24.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	6.8	*	0.0	14.4	*	0.0	21.4	*
Transient Cerebral Ischemia	6	0.0	2.0	*	16.7	4.6	*	16.7	7.7	*
Stroke	11	27.3	18.3	*	36.4	23.8	*	45.5	28.2	*
Hip Fracture	1	0.0	2.8	*	0.0	5.2	*	0.0	7.1	*
Sepsis	1	0.0	28.3	*	0.0	33.5	*	0.0	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	13.8	*	0.0	17.9	*	0.0	19.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	7	0.0	1.8	*	0.0	2.9	*	0.0	3.7	*
Hysterectomy	2	0.0	1.7	*	0.0	4.1	*	0.0	6.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 42
Occupancy Rate 33
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 8
Percent of Physicians Board Certified Specialists 50
Medical Residents/Interns 0
Registered Nurses 28
Licensed Practical Nurses 8

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BLUFFTON COMMUNITY HOSPITAL

Medicare Provider Number: 360169

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	266	8.3	9.0	1.9	11.3	13.6	2.8	14.3	17.4	3.6
CONDITIONS:										
Acute Myocardial Infarction	12	8.3	23.8	*	8.3	27.1	*	8.3	30.7	*
Congestive Heart Failure	26	23.1	18.2	*	23.1	27.1	*	30.8	34.1	*
Pneumonia/Influenza	21	14.3	17.1	*	19.0	22.9	*	19.0	27.5	*
Chronic Obstructive Pulmonary Disease	4	0.0	7.4	*	0.0	13.1	*	0.0	17.8	*
Transient Cerebral Ischemia	6	0.0	2.4	*	0.0	5.2	*	0.0	8.3	*
Stroke	12	33.3	25.2	*	50.0	31.8	*	66.7	37.0	*
Hip Fracture	0									
Sepsis	2	50.0	24.9	*	50.0	31.8	*	100.0	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.1	*	0.0	2.4	*	0.0	3.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	10	10.0	3.5	*	10.0	7.3	*	10.0	10.2	*
Hysterectomy	4	0.0	0.6	*	0.0	1.5	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	295	9.8	7.4	2.2	13.2	11.3	2.3	14.2	14.6	2.1
CONDITIONS:										
Acute Myocardial Infarction	14	14.3	26.2	*	21.4	29.4	*	21.4	32.6	*
Congestive Heart Failure	24	25.0	14.5	*	29.2	22.3	*	29.2	28.8	*
Pneumonia/Influenza	14	21.4	16.1	*	28.6	21.8	*	28.6	26.7	*
Chronic Obstructive Pulmonary Disease	9	11.1	6.4	*	11.1	14.0	*	11.1	21.0	*
Transient Cerebral Ischemia	10	0.0	1.9	*	0.0	4.1	*	0.0	6.5	*
Stroke	9	55.6	21.5	*	66.7	27.9	*	66.7	32.8	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.0	*	0.0	7.2	*	0.0	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	12	0.0	2.9	*	0.0	4.8	*	0.0	5.9	*
Hysterectomy	4	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRENTWOOD HOSPITAL

4110 Warrensville Center Rd
Warrensville Heights, OH 44

Medicare Provider Number: 360122

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,225	7.2	8.6	1.0	11.2	13.3	1.4	15.6	16.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	37	24.3	28.5	*	27.0	31.0	*	32.4	34.0	*
Congestive Heart Failure	68	11.8	14.4	8.5	16.2	22.4	9.1	23.5	29.1	9.6
Pneumonia/Influenza	38	13.2	14.8	*	15.8	19.8	*	18.4	23.9	*
Chronic Obstructive Pulmonary Disease	24	4.2	8.6	*	8.3	14.0	*	8.3	18.7	*
Transient Cerebral Ischemia	20	0.0	1.6	*	0.0	3.4	*	0.0	5.2	*
Stroke	43	4.7	15.9	*	14.0	22.8	*	18.6	27.1	*
Hip Fracture	12	0.0	4.4	*	0.0	8.1	*	8.3	10.7	*
Sepsis	18	33.3	26.8	*	33.3	34.3	*	38.9	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.9	*	0.0	11.2	*	20.0	15.0	*
Carotid Endarterectomy	5	0.0	1.3	*	20.0	2.5	*	20.0	3.6	*
Hip Replacement/Reconstruction	13	0.0	5.6	*	0.0	7.5	*	0.0	8.9	*
Open Reduction of Hip Fracture	4	0.0	5.1	*	0.0	10.0	*	25.0	13.5	*
Prostatectomy	19	0.0	0.6	*	5.3	1.5	*	5.3	2.6	*
Cholecystectomy	22	0.0	3.1	*	4.5	5.9	*	4.5	7.8	*
Hysterectomy	6	16.7	2.5	*	16.7	5.7	*	16.7	9.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 162
Occupancy Rate 60
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 91
Percent of Physicians Board Certified Specialists 95
Medical Residents/Interns 40
Registered Nurses 163
Licensed Practical Nurses 72

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BRENTWOOD HOSPITAL

Medicare Provider Number: 360122

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,145	7.5	8.6	1.4	12.1	13.4	1.6	16.2	17.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	34	20.6	26.7	*	29.4	29.4	*	32.4	32.6	*
Congestive Heart Failure	69	10.1	15.5	7.0	14.5	23.7	6.6	21.7	30.5	6.7
Pneumonia/Influenza	45	11.1	14.7	*	13.3	19.7	*	17.8	23.7	*
Chronic Obstructive Pulmonary Disease	19	0.0	10.6	*	10.5	17.6	*	10.5	23.3	*
Transient Cerebral Ischemia	23	4.3	1.9	*	4.3	4.3	*	8.7	6.8	*
Stroke	32	25.0	21.1	*	28.1	28.1	*	31.3	32.6	*
Hip Fracture	26	11.5	6.1	*	15.4	11.0	*	15.4	14.0	*
Sepsis	17	17.6	29.3	*	23.5	38.7	*	29.4	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	7.9	*	30.0	11.7	*	40.0	15.2	*
Carotid Endarterectomy	3	33.3	1.9	*	33.3	3.4	*	33.3	4.9	*
Hip Replacement/Reconstruction	20	10.0	3.8	*	15.0	7.3	*	15.0	9.5	*
Open Reduction of Hip Fracture	7	14.3	6.3	*	14.3	11.4	*	14.3	14.4	*
Prostatectomy	29	0.0	1.3	*	10.3	3.3	*	10.3	5.5	*
Cholecystectomy	17	11.8	5.9	*	11.8	11.9	*	17.6	16.4	*
Hysterectomy	11	0.0	0.9	*	0.0	2.0	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,224	8.3	9.4	1.1	14.9	14.3	1.2	18.5	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	41	22.0	28.1	*	26.8	31.6	*	39.0	34.9	*
Congestive Heart Failure	66	9.1	16.6	8.3	24.2	25.1	6.2	30.3	32.0	5.9
Pneumonia/Influenza	34	8.8	14.4	*	14.7	19.5	*	17.6	23.6	*
Chronic Obstructive Pulmonary Disease	16	12.5	7.6	*	12.5	12.2	*	18.8	16.2	*
Transient Cerebral Ischemia	29	0.0	1.8	*	0.0	3.9	*	3.4	6.2	*
Stroke	40	5.0	19.6	*	15.0	26.4	*	15.0	30.7	*
Hip Fracture	18	11.1	7.7	*	11.1	14.0	*	11.1	17.9	*
Sepsis	33	21.2	26.4	*	33.3	33.7	*	36.4	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	6.9	*	0.0	10.9	*	0.0	14.0	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	13	15.4	2.9	*	15.4	5.3	*	15.4	6.9	*
Open Reduction of Hip Fracture	8	0.0	7.9	*	0.0	14.8	*	0.0	19.0	*
Prostatectomy	28	0.0	0.9	*	0.0	2.1	*	0.0	3.4	*
Cholecystectomy	23	0.0	3.1	*	8.7	5.3	*	13.0	6.9	*
Hysterectomy	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BROWN COUNTY HOSPITAL

Home St
Georgetown, OH 45121

Medicare Provider Number: 360116

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	532	8.3	9.2	1.6	11.1	14.1	2.2	14.8	18.1	2.4
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	21.9	*	29.4	26.7	*	35.3	30.7	*
Congestive Heart Failure	43	20.9	15.0	*	30.2	23.6	*	37.2	30.8	*
Pneumonia/Influenza	56	10.7	16.9	5.6	10.7	22.7	7.2	14.3	27.6	8.1
Chronic Obstructive Pulmonary Disease	15	0.0	7.4	*	6.7	12.1	*	6.7	16.5	*
Transient Cerebral Ischemia	17	0.0	2.1	*	0.0	4.6	*	0.0	7.2	*
Stroke	25	24.0	20.5	*	32.0	27.5	*	36.0	32.2	*
Hip Fracture	5	0.0	5.9	*	0.0	11.0	*	0.0	14.6	*
Sepsis	4	25.0	22.0	*	25.0	31.5	*	25.0	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	4	0.0	4.9	*	0.0	9.4	*	0.0	12.6	*
Prostatectomy	6	0.0	1.0	*	0.0	2.5	*	0.0	4.4	*
Cholecystectomy	10	10.0	1.7	*	10.0	3.6	*	10.0	5.3	*
Hysterectomy	1	0.0	0.0	*	0.0	0.0	*	0.0	0.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 58
Occupancy Rate 53
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 21
Percent of Physicians Board Certified Specialists 52
Medical Residents/Interns 0
Registered Nurses 52
Licensed Practical Nurses 18

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BROWN COUNTY HOSPITAL

Medicare Provider Number: 360116

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	548	10.0	11.2	1.5	15.7	16.5	1.9	18.2	20.5	2.4
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	23.5	*	28.6	27.1	*	28.6	30.6	*
Congestive Heart Failure	49	20.4	18.5	*	22.4	28.5	*	32.7	36.2	*
Pneumonia/Influenza	37	18.9	18.3	*	29.7	24.9	*	35.1	30.0	*
Chronic Obstructive Pulmonary Disease	9	0.0	5.2	*	22.2	10.1	*	33.3	14.3	*
Transient Cerebral Ischemia	8	0.0	2.0	*	0.0	4.7	*	0.0	7.5	*
Stroke	23	4.3	23.8	*	17.4	31.0	*	21.7	35.8	*
Hip Fracture	2	0.0	4.0	*	0.0	8.5	*	0.0	12.0	*
Sepsis	14	35.7	24.6	*	50.0	31.3	*	50.0	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	11	0.0	1.8	*	0.0	4.6	*	0.0	7.8	*
Cholecystectomy	11	0.0	2.5	*	0.0	4.4	*	0.0	5.6	*
Hysterectomy	7	0.0	1.2	*	0.0	2.6	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	576	6.9	8.9	1.8	10.6	13.3	2.2	14.7	16.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	15	26.7	22.5	*	33.3	26.0	*	46.7	29.4	*
Congestive Heart Failure	45	8.9	15.5	*	17.8	23.5	*	24.4	30.2	*
Pneumonia/Influenza	30	16.7	18.8	*	30.0	25.7	*	33.3	30.9	*
Chronic Obstructive Pulmonary Disease	3	0.0	8.6	*	33.3	13.9	*	33.3	18.1	*
Transient Cerebral Ischemia	11	0.0	2.4	*	0.0	5.5	*	18.2	8.9	*
Stroke	22	18.2	28.4	*	27.3	35.6	*	36.4	40.4	*
Hip Fracture	4	0.0	6.0	*	0.0	11.5	*	0.0	15.3	*
Sepsis	3	0.0	12.3	*	33.3	17.7	*	33.3	22.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	2.0	*	0.0	4.5	*	0.0	6.2	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	0.0	3.7	*	0.0	7.9	*	0.0	11.2	*
Prostatectomy	15	0.0	1.1	*	0.0	2.8	*	0.0	4.8	*
Cholecystectomy	14	0.0	2.2	*	0.0	3.5	*	0.0	4.3	*
Hysterectomy	4	0.0	0.5	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BROWN MEMORIAL HOSPITAL

158 W Main Rd
Conneaut, OH 44030

Medicare Provider Number: 360042

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	486	10.7	10.6	1.8	15.6	15.3	1.7	19.5	19.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	22	36.4	25.7	*	40.9	28.9	*	45.5	32.1	*
Congestive Heart Failure	35	14.3	14.5	*	25.7	22.3	*	25.7	28.9	*
Pneumonia/Influenza	33	12.1	19.6	*	18.2	26.1	*	27.3	30.8	*
Chronic Obstructive Pulmonary Disease	3	33.3	7.9	*	33.3	13.8	*	33.3	19.3	*
Transient Cerebral Ischemia	7	0.0	2.4	*	0.0	5.5	*	0.0	8.9	*
Stroke	13	30.8	23.6	*	30.8	29.0	*	30.8	33.2	*
Hip Fracture	12	0.0	9.1	*	25.0	15.8	*	25.0	19.8	*
Sepsis	10	20.0	16.8	*	20.0	22.2	*	30.0	26.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	5.4	*	25.0	9.7	*	25.0	12.4	*
Open Reduction of Hip Fracture	8	0.0	8.4	*	25.0	15.3	*	25.0	19.7	*
Prostatectomy	14	0.0	0.9	*	0.0	2.1	*	7.1	3.5	*
Cholecystectomy	17	0.0	1.4	*	0.0	2.4	*	0.0	3.3	*
Hysterectomy	4	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	70
Occupancy Rate	36
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	17
Percent of Physicians Board Certified Specialists	59
Medical Residents/Interns	0
Registered Nurses	56
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BROWN MEMORIAL HOSPITAL

Medicare Provider Number: 360042

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	470	8.3	9.2	1.5	11.3	13.9	2.0	13.0	17.5	2.4
CONDITIONS:										
Acute Myocardial Infarction	11	27.3	26.0	*	27.3	28.9	*	27.3	32.3	*
Congestive Heart Failure	27	14.8	16.2	*	29.6	24.4	*	33.3	30.9	*
Pneumonia/Influenza	37	16.2	17.5	*	21.6	23.3	*	21.6	27.9	*
Chronic Obstructive Pulmonary Disease	2	0.0	5.9	*	0.0	13.3	*	0.0	20.4	*
Transient Cerebral Ischemia	12	0.0	2.7	*	8.3	5.9	*	8.3	9.0	*
Stroke	22	9.1	26.2	*	9.1	33.9	*	9.1	38.8	*
Hip Fracture	11	0.0	9.4	*	0.0	17.1	*	0.0	21.9	*
Sepsis	12	8.3	21.3	*	8.3	30.5	*	8.3	37.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.6	*	0.0	12.5	*	0.0	16.1	*
Open Reduction of Hip Fracture	6	0.0	7.9	*	0.0	15.1	*	0.0	19.8	*
Prostatectomy	19	0.0	0.7	*	0.0	1.8	*	0.0	3.0	*
Cholecystectomy	17	0.0	2.4	*	0.0	4.3	*	0.0	5.5	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	469	10.7	11.1	1.5	13.6	15.9	1.9	16.2	19.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	29.6	*	32.0	32.6	*	32.0	35.9	*
Congestive Heart Failure	43	16.3	18.2	*	20.9	27.7	*	27.9	35.2	*
Pneumonia/Influenza	48	14.6	16.4	*	20.8	21.8	*	25.0	26.3	*
Chronic Obstructive Pulmonary Disease	4	0.0	6.3	*	0.0	10.3	*	0.0	13.9	*
Transient Cerebral Ischemia	6	0.0	2.2	*	0.0	4.8	*	0.0	7.8	*
Stroke	11	36.4	25.6	*	45.5	32.4	*	45.5	37.4	*
Hip Fracture	7	0.0	5.3	*	0.0	10.2	*	14.3	14.0	*
Sepsis	10	30.0	22.6	*	30.0	30.3	*	40.0	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	3.6	*	0.0	7.4	*	16.7	10.5	*
Open Reduction of Hip Fracture	2	0.0	4.0	*	0.0	7.0	*	0.0	9.1	*
Prostatectomy	18	0.0	0.6	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	11	0.0	2.3	*	0.0	4.0	*	0.0	5.0	*
Hysterectomy	5	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

BROWN MEMORIAL HOSPITAL
158 WEST MAIN ROAD • P. O. BOX 648 • CONNEAUT, OHIO 44030 • (216) 593-1131

Medicare Provider NO: 360042

COMMENTS ON FY 1989 HCFA MORTALITY DATA

BROWN MEMORIAL HOSPITAL
CONNEAUT, OHIO

January, 1991

Thank you for affording our hospital the opportunity to comment on the FY 1989 Medicare Hospital Mortality Rates. Brown Memorial Hospital's observed mortality rate for all causes is less than one standard deviation from the predicated mortality rate. Sample sizes for the eight medical conditions and nine surgical procedures are too small to allow for any meaningful interpretation of the data.

Review of the patient records revealed the following statistics that may be helpful in understanding the patient population. Twenty-eight percent (28%) of the patients died during the selected hospitalization. Of the remaining deaths which occurred post-hospitalization, fifty-seven (57%) of the patients were transferred to a long term care facility upon discharge and fourteen percent (14%) were transferred to another acute care facility. "DO NOT RESUSITATE" orders were written for eight-eight percent (88%) of the inpatient deaths.

Ninety percent (90%) of the deaths with the medical diagnosis of acute myocardial infarction had "DO NOT RESUSITATE" orders written during their hospitalization. Of the six post-hospital deaths in this category, five patients were transferred to a long term care facility and one patient was transferred to another acute care facility.

All four deaths in the category "stroke" and all three deaths in the category "sepsis" had "DO NOT RESUSITATE" orders written. The patients who expired post-hospitalization were transferred to other facilities on discharge. All deaths in the category "hip fracture" occurred post-hospital after transfer to a long term care facility.

As in previous years, the categorization is based on principle diagnosis, not cause of death. In addition, this year the principle diagnosis may have been made during a hospitalization up to 180 days prior to death. As a result, the reason for death may not be related at all to the principle diagnosis used in the data. Many factors must be considered that may have contributed to the cause of death post-hospital. A majority of our patients were transferred to other facilities prior to death which weakens the inferences about the quality of treatment provided at Brown Memorial Hospital.

Mortality rates should not be used as a measure of a hospital's quality performance. Individual institutions must interpret the data as part of their ongoing quality assurance review. At Brown Memorial Hospital each hospital death, along with numerous other important aspects of care are subjected to clinical review, interpretation, and appropriate action. Brown Memorial Hospital's Board of Trustees, medical staff, administration and hospital staff are committed to continually improving the quality of care provided to their patients.

BUCYRUS COMMUNITY HOSPITAL

629 North Sandusky Avenue
Bucyrus, OH 44820

Medicare Provider Number: 360030

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	454	12.6	10.5	2.2	16.3	15.5	2.7	20.5	19.4	3.0
CONDITIONS:										
Acute Myocardial Infarction	17	23.5	26.4	*	29.4	29.3	*	29.4	32.3	*
Congestive Heart Failure	24	33.3	20.0	*	37.5	31.1	*	50.0	39.2	*
Pneumonia/Influenza	47	14.9	15.5	*	21.3	21.1	*	23.4	25.5	*
Chronic Obstructive Pulmonary Disease	5	0.0	14.9	*	0.0	28.6	*	20.0	36.7	*
Transient Cerebral Ischemia	16	0.0	2.2	*	6.3	5.0	*	12.5	8.0	*
Stroke	14	28.6	22.4	*	42.9	28.9	*	50.0	33.3	*
Hip Fracture	16	6.3	5.4	*	6.3	10.2	*	6.3	13.7	*
Sepsis	11	9.1	24.8	*	9.1	32.0	*	18.2	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	2.4	*	0.0	4.5	*	0.0	6.1	*
Open Reduction of Hip Fracture	2	50.0	6.1	*	50.0	11.0	*	50.0	14.5	*
Prostatectomy	34	0.0	0.9	*	0.0	2.2	*	0.0	3.7	*
Cholecystectomy	7	0.0	1.6	*	0.0	2.9	*	0.0	4.1	*
Hysterectomy	1	0.0	2.2	*	0.0	5.2	*	0.0	7.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	55
Occupancy Rate	38
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	25
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	54
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BUCYRUS COMMUNITY HOSPITAL

Medicare Provider Number: 360030

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	503	13.1	10.5	1.7	17.3	15.6	1.7	20.3	19.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	19	52.6	33.3	*	57.9	37.7	*	57.9	41.9	*
Congestive Heart Failure	22	13.6	17.1	*	13.6	24.4	*	31.8	31.0	*
Pneumonia/Influenza	31	19.4	15.8	*	22.6	21.0	*	25.8	25.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	3.6	*	0.0	6.4	*	0.0	8.9	*
Transient Cerebral Ischemia	15	0.0	2.2	*	13.3	5.0	*	13.3	8.0	*
Stroke	17	35.3	20.6	*	35.3	28.2	*	41.2	32.9	*
Hip Fracture	20	0.0	6.8	*	0.0	12.3	*	0.0	16.0	*
Sepsis	8	37.5	33.9	*	50.0	43.4	*	50.0	49.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	2.9	*	0.0	5.3	*	0.0	7.0	*
Open Reduction of Hip Fracture	9	0.0	7.7	*	0.0	14.6	*	0.0	19.4	*
Prostatectomy	21	4.8	1.3	*	9.5	3.1	*	14.3	5.2	*
Cholecystectomy	6	0.0	1.6	*	0.0	2.5	*	0.0	3.1	*
Hysterectomy	7	0.0	0.5	*	0.0	0.8	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	413	10.2	10.6	1.8	14.8	15.8	2.1	19.6	19.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	9	44.4	30.3	*	44.4	33.4	*	44.4	36.7	*
Congestive Heart Failure	22	18.2	16.5	*	22.7	24.3	*	36.4	30.7	*
Pneumonia/Influenza	18	11.1	16.2	*	27.8	22.0	*	38.9	27.0	*
Chronic Obstructive Pulmonary Disease	12	0.0	16.9	*	8.3	26.9	*	16.7	33.5	*
Transient Cerebral Ischemia	7	0.0	2.1	*	0.0	4.7	*	0.0	7.5	*
Stroke	18	16.7	20.7	*	27.8	27.1	*	27.8	31.4	*
Hip Fracture	13	0.0	5.4	*	0.0	10.1	*	7.7	13.2	*
Sepsis	8	12.5	45.9	*	12.5	51.9	*	12.5	57.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	2.9	*	0.0	5.5	*	6.7	7.2	*
Open Reduction of Hip Fracture	4	0.0	5.6	*	0.0	11.3	*	0.0	15.5	*
Prostatectomy	24	0.0	1.2	*	0.0	2.9	*	8.3	4.9	*
Cholecystectomy	9	11.1	1.4	*	11.1	2.4	*	11.1	3.2	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHRIST HOSPITAL

2139 Auburn Avenue
Cincinnati, OH 45219

Medicare Provider Number: 360163

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,651	5.6	6.9	0.8	10.3	11.0	0.8	13.1	14.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	83	19.3	26.2	5.5	20.5	29.5	6.2	20.5	32.8	7.1
Congestive Heart Failure	104	13.5	15.4	5.0	26.9	24.1	4.9	30.8	31.2	4.6
Pneumonia/Influenza	100	16.0	17.7	4.2	22.0	23.8	4.6	23.0	28.6	5.9
Chronic Obstructive Pulmonary Disease	46	4.3	6.5	*	15.2	11.9	*	19.6	16.8	*
Transient Cerebral Ischemia	51	0.0	1.5	*	2.0	3.3	*	2.0	5.3	*
Stroke	69	13.0	21.9	9.8	20.3	28.6	10.5	26.1	32.8	8.8
Hip Fracture	42	2.4	5.1	*	11.9	9.3	*	16.7	12.4	*
Sepsis	20	15.0	29.8	*	45.0	38.1	*	50.0	45.1	*
PROCEDURES:										
Angioplasty	129	1.6	2.6	2.0	3.1	3.6	2.3	3.9	4.7	2.3
Coronary Artery Bypass Graft	188	4.8	4.7	1.5	6.4	6.6	2.4	10.1	7.9	3.2
Initial Pacemaker Insertion	23	0.0	3.5	*	8.7	6.9	*	8.7	9.9	*
Carotid Endarterectomy	33	0.0	1.2	*	3.0	2.2	*	6.1	3.3	*
Hip Replacement/Reconstruction	93	2.2	1.5	1.5	4.3	2.7	2.7	5.4	3.8	3.5
Open Reduction of Hip Fracture	14	0.0	4.3	*	7.1	8.3	*	7.1	11.4	*
Prostatectomy	82	2.4	1.0	2.3	6.1	2.4	3.0	8.5	4.0	3.3
Cholecystectomy	41	0.0	3.9	*	4.9	7.1	*	7.3	9.4	*
Hysterectomy	55	1.8	0.4	1.3	1.8	0.9	1.6	1.8	1.3	1.8

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	660
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	338
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	26
Registered Nurses	479
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHRIST HOSPITAL

Medicare Provider Number: 360163

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,539	6.4	7.1	0.7	10.9	11.4	0.7	14.2	14.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	97	24.7	25.7	4.5	32.0	29.1	5.3	35.1	32.6	7.4
Congestive Heart Failure	107	15.0	15.7	3.6	24.3	24.2	4.4	34.6	31.1	5.4
Pneumonia/Influenza	76	15.8	16.5	4.9	21.1	22.4	5.1	23.7	27.0	5.9
Chronic Obstructive Pulmonary Disease	47	10.6	8.4	*	17.0	14.8	*	25.5	20.2	*
Transient Cerebral Ischemia	81	2.5	1.7	3.6	6.2	3.8	4.2	9.9	5.9	5.0
Stroke	72	15.3	20.6	5.5	26.4	27.3	5.8	26.4	31.8	6.1
Hip Fracture	49	6.1	6.9	*	12.2	12.9	*	16.3	16.8	*
Sepsis	18	44.4	35.9	*	44.4	49.0	*	44.4	56.2	*
PROCEDURES:										
Angioplasty	130	0.8	3.6	2.1	5.4	4.6	2.1	7.7	5.7	2.2
Coronary Artery Bypass Graft	145	5.5	5.9	2.0	11.7	8.4	2.8	13.1	9.9	3.0
Initial Pacemaker Insertion	36	0.0	3.8	*	8.3	7.1	*	13.9	10.3	*
Carotid Endarterectomy	29	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	68	2.9	2.1	1.9	5.9	4.2	2.8	5.9	5.7	2.9
Open Reduction of Hip Fracture	14	21.4	6.7	*	28.6	12.5	*	28.6	16.4	*
Prostatectomy	76	1.3	0.8	1.3	2.6	2.2	1.9	3.9	3.8	2.5
Cholecystectomy	35	0.0	3.0	*	5.7	5.3	*	5.7	6.8	*
Hysterectomy	51	0.0	0.7	1.4	0.0	1.5	2.7	3.9	2.3	2.8

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,515	6.2	7.6	0.6	10.6	12.1	0.7	14.3	15.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	72	16.7	29.4	8.8	23.6	33.2	8.6	26.4	36.5	8.1
Congestive Heart Failure	114	10.5	18.0	5.3	19.3	27.2	6.3	22.8	34.3	7.6
Pneumonia/Influenza	70	12.9	18.0	10.0	18.6	24.3	10.6	22.9	29.3	9.8
Chronic Obstructive Pulmonary Disease	30	0.0	8.2	*	3.3	14.0	*	10.0	18.8	*
Transient Cerebral Ischemia	56	1.8	1.8	1.8	3.6	4.0	2.7	5.4	6.3	3.9
Stroke	81	11.1	22.5	7.3	27.2	29.4	5.2	32.1	33.9	5.4
Hip Fracture	35	5.7	5.5	*	5.7	10.0	*	11.4	13.0	*
Sepsis	24	29.2	35.2	*	41.7	45.1	*	50.0	52.8	*
PROCEDURES:										
Angioplasty	46	2.2	4.2	*	6.5	5.1	*	6.5	6.2	*
Coronary Artery Bypass Graft	103	8.7	6.5	3.0	13.6	9.1	4.0	15.5	10.4	4.4
Initial Pacemaker Insertion	33	9.1	3.7	*	9.1	7.1	*	9.1	10.3	*
Carotid Endarterectomy	30	3.3	1.5	*	3.3	2.9	*	3.3	4.1	*
Hip Replacement/Reconstruction	106	0.9	1.2	1.4	0.9	2.4	2.0	2.8	3.3	1.8
Open Reduction of Hip Fracture	5	0.0	5.9	*	0.0	10.9	*	0.0	14.0	*
Prostatectomy	83	1.2	0.7	1.3	3.6	1.7	2.4	3.6	2.8	3.3
Cholecystectomy	49	4.1	2.6	*	6.1	4.8	*	8.2	6.4	*
Hysterectomy	42	4.8	0.8	*	4.8	1.6	*	4.8	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

43.1



The Christ Hospital

2139 Auburn Avenue, Cincinnati, Ohio 45219/(513) 369-2000

January 14, 1991

To Whom It Concerns:

The Christ Hospital appreciates the opportunity to comment on the 1989 Medicare Hospital Mortality data. The hospital is a tertiary care provider and has the highest Medicare case mix index in Greater Cincinnati.

A first look at the raw data shows a higher observed rate than predicted for several conditions and procedures in the years reported. This is not unusual or surprising since the predicted rate is an average. It is to be expected that half of the cases will be above the average and half will be below it. A more effective evaluation can be made by calculating a predicted range for these categories. The 180 day category may allow HCFA to identify long term patient outcomes, however, it is less likely that a death occurring more than six months after a hospital admission can be attributed to hospital care.

The exhibit attached shows the predicted ranges for the conditions and procedures that exceed the predicted rate in 1987, 1988 and 1989. The ranges are calculated at the 95% confidence level since it appears this level was used in the previous HCFA mortality data releases.

From the analysis it is clear that the observed rate for The Christ Hospital falls within the predicted range, including the 180 day period. This finding is similar to the hospital's rates in previous data releases. Our internal findings are also consistent with the comparison to the predicted range. No patterns of unexpected mortality have been identified through the hospital's quality assurance process. The hospital's medical staff quality assurance process includes a thorough review of deaths, complications and medical management.

The Christ Hospital will continue to use mortality data to broaden the review and knowledge of Medicare patients' outcomes. However, we cannot limit ourselves to mortality data. There are many other indicators that we must continue to analyze to adequately monitor and improve the quality of patient care.

Sincerely,

Jack M. Cook
President

JMC/kd
Exhibit

THE CHRIST HOSPITAL
HCFA MORTALITY DATA

1989

	30 Days			90 Days		
	Pred Value	Obser Value	Pred Range	Pred Value	Obser Value	Pred Range
Congestive Heart Failure				24.1	26.9	14.4 - 33.8
Coronary Artery Bypass Graft	4.7	4.8	1.7 - 7.7			
Hip replacement/reconstruction	1.5	2.2	0.0 - 4.5	2.7	4.3	0.0 - 8.0
Prostatectomy	1.0	2.4	0.0 - 5.6	2.4	6.1	0.0 - 8.5
Hysterectomy	0.4	1.8	0.0 - 3.1	0.9	1.8	0.0 - 4.2

1988

	30 Days			90 Days		
	Pred Value	Obser Value	Pred Range	Pred Value	Obser Value	Pred Range
Acute Myocardial Infarction				29.1	32.0	18.7 - 39.5
Congestive Heart Failure				24.2	24.3	15.5 - 32.9
Transient Cerebral Ischemia	1.7	2.5	0.0 - 9.0	3.8	6.2	0.0 - 12.2
Angioplasty				3.6	5.4	0.0 - 7.7
Coronary Artery Bypass Graft				8.4	11.7	2.9 - 13.9
Hip replacement/reconstruction	2.1	2.9	0.0 - 5.9	4.2	5.9	0.0 - 9.8
Prostatectomy	0.8	1.3	0.0 - 3.4	2.2	2.6	0.0 - 6.0

1987

	30 Days			90 Days		
	Pred Value	Obser Value	Pred Range	Pred Value	Obser Value	Pred Range
Coronary Artery Bypass Graft	6.5	8.7	0.6 - 12.4	9.1	13.6	1.2 - 17.0
Prostatectomy	0.7	1.2	0.0 - 3.3	1.7	3.6	0.0 - 6.5

CITY HOSPITAL

4697 Harrison St
Bellaire, OH 43906

Medicare Provider Number: 360153

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	869	9.3	8.8	1.4	13.5	13.3	1.5	17.0	16.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	38	44.7	24.2	*	47.4	27.8	*	47.4	31.3	*
Congestive Heart Failure	67	11.9	12.9	4.4	19.4	20.1	4.9	23.9	26.5	6.3
Pneumonia/Influenza	32	9.4	16.4	*	18.8	22.4	*	25.0	27.2	*
Chronic Obstructive Pulmonary Disease	16	12.5	9.3	*	12.5	16.2	*	12.5	22.0	*
Transient Cerebral Ischemia	20	0.0	1.8	*	0.0	4.0	*	0.0	6.4	*
Stroke	41	14.6	14.1	*	14.6	20.3	*	19.5	24.3	*
Hip Fracture	25	8.0	4.5	*	12.0	8.8	*	24.0	12.0	*
Sepsis	10	20.0	29.8	*	20.0	38.7	*	20.0	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.1	*	0.0	6.0	*	0.0	9.0	*
Carotid Endarterectomy	3	0.0	0.7	*	0.0	1.3	*	0.0	2.0	*
Hip Replacement/Reconstruction	12	0.0	3.9	*	0.0	8.1	*	8.3	11.4	*
Open Reduction of Hip Fracture	10	20.0	4.5	*	30.0	8.8	*	50.0	12.0	*
Prostatectomy	24	0.0	0.6	*	0.0	1.5	*	4.2	2.5	*
Cholecystectomy	23	4.3	1.8	*	4.3	2.9	*	4.3	3.8	*
Hysterectomy	3	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	83
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	66
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	77
Licensed Practical Nurses	24

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CITY HOSPITAL

Medicare Provider Number: 360153

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	850	9.4	8.7	1.3	13.1	13.3	1.3	17.3	16.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	39	25.6	20.4	*	28.2	23.6	*	28.2	26.8	*
Congestive Heart Failure	61	13.1	13.3	4.4	18.0	20.6	6.5	23.0	26.7	8.5
Pneumonia/Influenza	26	11.5	16.4	*	15.4	22.2	*	15.4	26.9	*
Chronic Obstructive Pulmonary Disease	17	5.9	6.6	*	11.8	12.6	*	17.6	17.8	*
Transient Cerebral Ischemia	14	0.0	1.7	*	0.0	3.9	*	0.0	6.1	*
Stroke	33	27.3	16.3	*	27.3	22.5	*	33.3	26.7	*
Hip Fracture	19	10.5	4.7	*	10.5	8.7	*	21.1	11.2	*
Sepsis	11	27.3	37.7	*	27.3	44.1	*	36.4	50.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Carotid Endarterectomy	2	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*
Hip Replacement/Reconstruction	9	11.1	4.7	*	11.1	8.9	*	22.2	11.6	*
Open Reduction of Hip Fracture	6	0.0	3.8	*	0.0	7.5	*	16.7	10.3	*
Prostatectomy	30	0.0	0.6	*	0.0	1.4	*	3.3	2.5	*
Cholecystectomy	7	0.0	1.5	*	0.0	2.3	*	0.0	2.8	*
Hysterectomy	11	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	830	11.1	8.7	1.5	15.7	13.2	1.7	18.7	16.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	40	32.5	23.4	*	37.5	26.7	*	40.0	29.9	*
Congestive Heart Failure	61	16.4	15.3	4.9	23.0	23.3	5.5	29.5	30.1	5.9
Pneumonia/Influenza	32	15.6	14.6	*	21.9	19.8	*	25.0	24.2	*
Chronic Obstructive Pulmonary Disease	15	6.7	9.0	*	26.7	15.0	*	33.3	19.4	*
Transient Cerebral Ischemia	29	3.4	2.2	*	6.9	4.7	*	10.3	7.4	*
Stroke	26	23.1	20.9	*	30.8	27.3	*	30.8	31.7	*
Hip Fracture	15	6.7	8.1	*	6.7	14.5	*	13.3	18.3	*
Sepsis	12	50.0	31.7	*	66.7	39.2	*	66.7	46.6	*
PROCEDURES:										
Angioplasty	1	0.0	1.4	*	0.0	2.7	*	0.0	3.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.7	*	0.0	3.4	*	0.0	5.1	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.5	*	0.0	2.0	*
Hip Replacement/Reconstruction	4	25.0	7.1	*	25.0	13.1	*	25.0	16.5	*
Open Reduction of Hip Fracture	11	0.0	7.1	*	0.0	13.6	*	9.1	17.6	*
Prostatectomy	25	4.0	1.2	*	4.0	3.0	*	8.0	5.1	*
Cholecystectomy	11	9.1	4.1	*	18.2	8.2	*	18.2	11.2	*
Hysterectomy	9	0.0	1.2	*	0.0	2.7	*	0.0	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CLERMONT MERCY HOSPITAL

3000 Hospital Drive
Batavia, OH 45103

Medicare Provider Number: 360236

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,454	8.9	9.3	0.9	13.2	14.1	1.4	16.8	17.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	49	24.5	27.8	*	30.6	31.1	*	32.7	34.5	*
Congestive Heart Failure	78	15.4	16.9	4.6	24.4	26.0	6.0	29.5	33.3	7.8
Pneumonia/Influenza	111	18.0	17.3	3.7	23.4	23.4	4.0	26.1	28.0	5.0
Chronic Obstructive Pulmonary Disease	35	2.9	4.1	*	5.7	8.3	*	11.4	12.4	*
Transient Cerebral Ischemia	26	3.8	1.5	*	3.8	3.3	*	3.8	5.2	*
Stroke	53	9.4	16.5	7.2	15.1	23.4	9.5	18.9	27.6	8.9
Hip Fracture	30	10.0	7.9	*	13.3	13.9	*	13.3	17.7	*
Sepsis	6	33.3	29.0	*	50.0	36.7	*	50.0	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.8	*	0.0	5.6	*	0.0	8.5	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	14	0.0	3.8	*	0.0	6.9	*	0.0	8.9	*
Open Reduction of Hip Fracture	14	7.1	6.7	*	14.3	12.2	*	14.3	15.7	*
Prostatectomy	36	0.0	0.7	*	0.0	1.6	*	2.8	2.7	*
Cholecystectomy	27	0.0	1.7	*	0.0	2.9	*	3.7	3.8	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	151
Occupancy Rate	72
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	191
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	104
Licensed Practical Nurses	30

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CLERMONT MERCY HOSPITAL

Medicare Provider Number: 360236

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,487	9.0	9.8	1.2	13.9	14.8	1.7	17.1	18.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	56	35.7	28.1	11.5	42.9	31.6	11.3	42.9	35.0	10.3
Congestive Heart Failure	59	15.3	16.4	5.4	28.8	24.9	6.8	37.3	31.8	9.3
Pneumonia/Influenza	95	14.7	17.8	5.2	18.9	24.0	7.5	23.2	28.8	9.4
Chronic Obstructive Pulmonary Disease	33	6.1	3.7	*	9.1	7.6	*	12.1	11.1	*
Transient Cerebral Ischemia	30	0.0	2.2	*	3.3	4.8	*	10.0	7.5	*
Stroke	52	13.5	21.6	6.9	26.9	29.4	8.2	32.7	34.2	6.6
Hip Fracture	40	5.0	7.7	*	5.0	14.0	*	7.5	18.0	*
Sepsis	14	35.7	29.2	*	35.7	39.6	*	35.7	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	7.3	*	17.6	10.5	*	17.6	13.4	*
Carotid Endarterectomy	9	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	14	0.0	5.1	*	0.0	9.5	*	0.0	12.2	*
Open Reduction of Hip Fracture	19	10.5	8.0	*	10.5	15.4	*	15.8	20.3	*
Prostatectomy	23	0.0	1.1	*	0.0	2.6	*	4.3	4.1	*
Cholecystectomy	21	0.0	2.8	*	0.0	5.2	*	0.0	6.9	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,414	8.6	8.8	0.8	13.9	13.6	1.0	17.3	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	44	50.0	28.5	*	52.3	32.0	*	54.5	35.5	*
Congestive Heart Failure	65	9.2	19.1	6.9	27.7	28.6	6.3	33.8	36.0	6.2
Pneumonia/Influenza	73	11.0	15.7	5.4	16.4	21.2	7.6	17.8	25.7	8.9
Chronic Obstructive Pulmonary Disease	30	10.0	4.7	*	13.3	8.8	*	20.0	12.5	*
Transient Cerebral Ischemia	31	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	34	20.6	19.4	*	26.5	26.3	*	29.4	30.7	*
Hip Fracture	40	7.5	7.3	*	12.5	13.0	*	20.0	16.5	*
Sepsis	14	14.3	21.8	*	21.4	29.5	*	21.4	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.8	*	0.0	7.6	*	0.0	10.9	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	15	6.7	5.3	*	6.7	9.9	*	6.7	12.9	*
Open Reduction of Hip Fracture	21	4.8	6.4	*	14.3	12.0	*	23.8	15.8	*
Prostatectomy	25	0.0	0.9	*	8.0	2.3	*	12.0	3.7	*
Cholecystectomy	25	4.0	2.0	*	8.0	3.7	*	12.0	5.1	*
Hysterectomy	3	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Medicare Provider No. 360236

CLERMONT MERCY HOSPITAL
MORTALITY RATES

COMMENTS

The methodology of measuring quality of hospital care and the presentation of findings set forth in the Health Care Financing Administration's (HCFA) Medicare hospital mortality rates are unacceptable and do not serve as a meaningful guide to hospital performance.

With regard to the methodology, there are a multitude of variables, completely independent of hospital care, that may occur within 30, 90 or 180 days following admission and may cause or contribute to a death, especially when a patient has been discharged from the hospital. It is inappropriate to rely on this mortality information as an indicator of the quality of a hospital's care.

With regard to the presentation of the findings, there are three significant shortcomings. First, instead of using a range to present their predicted mortality rates as had been done in previous years, HCFA has included only point estimates for comparison to institution specific mortality rates. Interpretation of this data requires some knowledge of statistical analysis such as building confidence intervals around the predicted point estimates with the supplied standard deviation statistic.

Second, insufficient emphasis is given to HCFA's admission that "the precision and interpretability of our estimates are questionable when there are no deaths or fewer than 50 cases in a particular category being analyzed." Of the 17 presented categories, Clermont Mercy Hospital had 50 or more cases in only 2 of the categories in 1987, 4 of the categories in 1988, and 3 of the categories in 1989. Therefore, according to HCFA, their mortality information concerning Clermont Mercy Hospital over a period of 3 years, is reliable and able to be interpreted in only 6% of the categories. In these categories which are, according to HCFA, reliable and able to be interpreted, the number of deaths at Clermont Mercy Hospital occurring within 30 days, 90 days, or 180 days of admission was either below the predicted percentage, within the range of acceptable percentages, or there were too few deaths in the category to permit satisfactory estimation of the standard deviation.

Third, it should be noted that in 75% of the categories of mortality rates for Clermont Mercy Hospital over a period

of three years, 1987 - 1989, the number of deaths were too small to permit a satisfactory estimation of the standard deviation. The inability to include a standard deviation renders the rates in these categories unreliable and unable to be interpreted.

Based on the foregoing explanation of the inadequacies of the methodology and presentation of HCFA's mortality information, HCFA's Mortality Rates for Clermont Mercy Hospital are not subject to meaningful interpretation and are not useful in measuring the quality of this hospital's care.

101/f

CLEVELAND CLINIC HOSPITAL

9500 Euclid Ave
Cleveland, OH 44106

Medicare Provider Number: 360180

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,740	5.0	6.7	0.4	9.0	11.1	0.5	12.0	14.6	0.5
CONDITIONS:										
Acute Myocardial Infarction	39	33.3	24.4	*	35.9	28.8	*	38.5	32.8	*
Congestive Heart Failure	115	13.0	13.3	4.0	21.7	20.9	3.9	27.8	27.4	4.2
Pneumonia/Influenza	54	20.4	16.4	8.3	25.9	23.1	7.4	31.5	28.2	7.3
Chronic Obstructive Pulmonary Disease	35	5.7	8.8	*	8.6	15.1	*	8.6	20.4	*
Transient Cerebral Ischemia	52	0.0	1.8	*	0.0	3.7	*	0.0	5.7	*
Stroke	48	16.7	18.9	*	25.0	26.3	*	25.0	31.0	*
Hip Fracture	18	11.1	6.9	*	16.7	11.8	*	22.2	15.0	*
Sepsis	13	46.2	25.8	*	46.2	35.6	*	46.2	41.7	*
PROCEDURES:										
Angioplasty	181	2.8	2.2	1.2	3.9	3.2	1.4	4.4	4.3	1.5
Coronary Artery Bypass Graft	472	3.0	5.6	1.6	5.5	8.0	1.9	6.8	9.5	1.9
Initial Pacemaker Insertion	53	0.0	2.7	*	0.0	5.3	*	0.0	7.8	*
Carotid Endarterectomy	98	0.0	1.9	2.1	4.1	3.6	2.1	5.1	5.1	2.2
Hip Replacement/Reconstruction	173	0.0	1.4	1.4	2.9	2.6	1.7	2.9	3.7	1.9
Open Reduction of Hip Fracture	5	0.0	3.7	*	0.0	6.7	*	20.0	8.8	*
Prostatectomy	99	0.0	1.2	1.6	0.0	2.9	3.8	6.1	4.9	2.7
Cholecystectomy	38	2.6	3.7	*	5.3	7.1	*	10.5	9.6	*
Hysterectomy	53	0.0	1.0	*	0.0	2.1	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 892
Occupancy Rate 77
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 443
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 508
Registered Nurses 1,212
Licensed Practical Nurses 117

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CLEVELAND CLINIC HOSPITAL

Medicare Provider Number: 360180

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,077	4.5	6.7	0.4	8.5	11.1	0.5	11.2	14.6	0.5
CONDITIONS:										
Acute Myocardial Infarction	45	31.1	26.8	*	37.8	30.0	*	40.0	33.6	*
Congestive Heart Failure	138	14.5	15.5	3.5	28.3	24.4	4.2	35.5	31.7	4.6
Pneumonia/Influenza	57	10.5	16.0	6.7	10.5	22.9	8.8	15.8	27.9	9.3
Chronic Obstructive Pulmonary Disease	31	12.9	7.0	*	25.8	12.1	*	25.8	16.6	*
Transient Cerebral Ischemia	55	1.8	1.8	2.1	1.8	3.4	3.0	3.6	5.1	3.8
Stroke	50	16.0	20.7	*	22.0	27.9	*	22.0	32.6	*
Hip Fracture	23	0.0	5.6	*	4.3	10.3	*	4.3	13.7	*
Sepsis	16	25.0	24.7	*	43.8	34.4	*	43.8	41.2	*
PROCEDURES:										
Angioplasty	193	2.6	3.0	1.7	3.1	4.2	2.2	3.1	5.5	2.6
Coronary Artery Bypass Graft	495	1.8	6.6	1.5	3.8	8.9	1.7	4.4	10.4	1.9
Initial Pacemaker Insertion	41	4.9	4.0	*	7.3	7.4	*	7.3	10.5	*
Carotid Endarterectomy	106	0.9	1.8	1.6	1.9	3.2	2.2	2.8	4.6	2.6
Hip Replacement/Reconstruction	149	0.7	1.4	1.2	1.3	2.6	2.0	1.3	3.7	2.4
Open Reduction of Hip Fracture	9	0.0	6.2	*	11.1	12.0	*	11.1	16.2	*
Prostatectomy	112	0.9	1.0	1.0	2.7	2.4	1.9	2.7	4.0	2.3
Cholecystectomy	50	6.0	3.9	*	6.0	7.5	*	8.0	10.1	*
Hysterectomy	64	0.0	0.8	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,102	4.8	7.0	0.4	8.8	11.5	0.5	12.1	15.1	0.5
CONDITIONS:										
Acute Myocardial Infarction	65	20.0	28.6	8.3	33.8	32.4	6.7	33.8	36.0	6.1
Congestive Heart Failure	133	14.3	15.6	4.3	23.3	24.2	4.6	33.1	31.4	4.3
Pneumonia/Influenza	34	23.5	20.3	*	38.2	28.6	*	41.2	34.8	*
Chronic Obstructive Pulmonary Disease	38	5.3	10.7	*	10.5	18.3	*	13.2	24.2	*
Transient Cerebral Ischemia	61	1.6	1.9	1.8	3.3	3.6	2.8	3.3	5.3	3.8
Stroke	58	13.8	18.5	6.3	17.2	25.7	8.6	19.0	30.4	10.6
Hip Fracture	30	3.3	6.9	*	6.7	11.9	*	6.7	15.2	*
Sepsis	14	21.4	28.4	*	35.7	39.0	*	42.9	46.2	*
PROCEDURES:										
Angioplasty	197	2.5	3.1	1.9	3.6	4.1	2.0	4.6	5.3	2.1
Coronary Artery Bypass Graft	570	3.2	6.9	1.4	6.1	9.3	1.6	6.8	10.7	1.6
Initial Pacemaker Insertion	59	0.0	2.8	3.2	3.4	5.7	4.1	11.9	8.4	4.2
Carotid Endarterectomy	130	0.0	2.1	2.2	3.1	4.0	2.5	3.1	5.7	3.1
Hip Replacement/Reconstruction	152	0.7	1.3	1.5	1.3	2.4	2.4	1.3	3.3	2.9
Open Reduction of Hip Fracture	15	0.0	5.3	*	0.0	9.5	*	0.0	12.4	*
Prostatectomy	120	0.8	1.1	1.0	1.7	2.6	1.8	4.2	4.4	3.0
Cholecystectomy	33	3.0	5.8	*	6.1	11.0	*	9.1	14.8	*
Hysterectomy	53	0.0	1.1	1.8	0.0	2.4	3.0	1.9	3.6	3.0

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CLINTON MEMORIAL HOSPITAL

610 West Main Street
Wilmington, OH 45177

Medicare Provider Number: 360175

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,037	10.2	8.7	1.2	15.2	13.2	1.4	18.3	16.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	28	28.6	22.7	*	35.7	25.9	*	35.7	29.1	*
Congestive Heart Failure	64	15.6	16.0	5.4	23.4	24.9	6.9	31.3	32.1	6.4
Pneumonia/Influenza	71	19.7	17.9	5.0	25.4	24.3	5.7	28.2	29.1	6.4
Chronic Obstructive Pulmonary Disease	25	8.0	6.6	*	24.0	12.3	*	28.0	17.4	*
Transient Cerebral Ischemia	16	6.3	1.9	*	6.3	4.2	*	12.5	6.7	*
Stroke	36	27.8	22.1	*	33.3	29.4	*	36.1	34.2	*
Hip Fracture	47	10.6	6.0	*	17.0	11.0	*	19.1	14.4	*
Sepsis	5	0.0	24.2	*	0.0	30.5	*	0.0	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	12.5	*	100.0	19.6	*	100.0	23.4	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	21	14.3	2.8	*	19.0	5.4	*	28.6	7.3	*
Open Reduction of Hip Fracture	12	0.0	5.5	*	0.0	10.0	*	0.0	12.9	*
Prostatectomy	25	0.0	0.6	*	0.0	1.5	*	0.0	2.7	*
Cholecystectomy	23	0.0	1.6	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 81
Occupancy Rate 55
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 33
Percent of Physicians Board Certified Specialists 82
Medical Residents/Interns 0
Registered Nurses 99
Licensed Practical Nurses 11

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CLINTON MEMORIAL HOSPITAL

Medicare Provider Number: 360175

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,152	10.6	8.9	1.3	14.8	13.5	1.3	18.5	17.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	44	43.2	27.5	*	50.0	31.5	*	50.0	35.3	*
Congestive Heart Failure	66	16.7	15.0	4.8	27.3	22.8	6.0	34.8	29.3	6.4
Pneumonia/Influenza	58	20.7	19.8	6.4	25.9	26.6	5.8	31.0	31.8	6.8
Chronic Obstructive Pulmonary Disease	15	13.3	5.2	*	13.3	10.6	*	20.0	15.6	*
Transient Cerebral Ischemia	23	4.3	2.3	*	4.3	5.2	*	4.3	8.2	*
Stroke	37	29.7	24.7	*	37.8	34.0	*	45.9	39.6	*
Hip Fracture	30	13.3	5.8	*	13.3	10.6	*	13.3	13.7	*
Sepsis	7	28.6	32.6	*	28.6	38.9	*	28.6	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	6.8	*	22.2	12.1	*	22.2	16.5	*
Carotid Endarterectomy	11	0.0	1.8	*	0.0	3.5	*	0.0	4.9	*
Hip Replacement/Reconstruction	31	12.9	3.0	*	12.9	5.5	*	12.9	7.1	*
Open Reduction of Hip Fracture	11	0.0	4.9	*	0.0	9.3	*	0.0	12.2	*
Prostatectomy	26	0.0	0.8	*	3.8	2.2	*	3.8	4.1	*
Cholecystectomy	23	4.3	3.2	*	4.3	5.7	*	4.3	7.2	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,205	10.7	9.3	1.2	16.3	14.2	1.5	20.6	18.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	55	34.5	28.8	8.5	36.4	32.6	7.9	36.4	36.1	8.3
Congestive Heart Failure	63	12.7	18.2	6.7	28.6	27.1	7.6	36.5	34.1	6.5
Pneumonia/Influenza	41	36.6	18.6	*	39.0	25.4	*	51.2	30.7	*
Chronic Obstructive Pulmonary Disease	13	30.8	7.9	*	38.5	14.5	*	46.2	20.1	*
Transient Cerebral Ischemia	22	0.0	1.8	*	0.0	3.8	*	0.0	6.1	*
Stroke	43	25.6	23.5	*	34.9	30.8	*	37.2	35.6	*
Hip Fracture	38	10.5	7.2	*	23.7	13.3	*	31.6	17.3	*
Sepsis	18	50.0	34.1	*	55.6	42.8	*	66.7	49.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.7	*	10.0	5.5	*	10.0	8.0	*
Carotid Endarterectomy	13	0.0	1.4	*	0.0	2.6	*	7.7	3.7	*
Hip Replacement/Reconstruction	16	6.3	2.4	*	6.3	4.7	*	12.5	6.5	*
Open Reduction of Hip Fracture	28	7.1	6.5	*	25.0	12.8	*	32.1	17.2	*
Prostatectomy	31	0.0	0.7	*	6.5	1.8	*	9.7	3.0	*
Cholecystectomy	20	0.0	2.4	*	0.0	4.1	*	5.0	5.1	*
Hysterectomy	12	8.3	1.6	*	8.3	3.7	*	16.7	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Clinton Memorial Hospital | 610 West Main Street Wilmington, Ohio 45177 | Telephone 513 382-6611

MEDICARE PROVIDER NO. 36-0175

January 14, 1991

Health Care Financing Administration
Health Standards and Quality bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:



In regards to the release of Medicare Hospital Mortality information:

1. The hospital noted that our Medicare mortality for "All Causes" was within the national norm.

2. Unfortunately, our volume in most categories is too small to permit satisfactory estimation of the standard deviation; however, we noted that the mortality rates for the two categories which did have statistically significant volume were within the national norm.

3. Hospital records reveal that the only patient grouped by Medicare into the "Initial Pacemaker Insertion" category did **not** undergo pacemaker insertion at Clinton Memorial Hospital.

4. Clinton Memorial Hospital reviews all mortalities on an ongoing basis and therefore, prior to the receipt of the fiscal 1989 Medicare hospital mortality rates had reviewed all deaths and failed to identify any isolated instance or pattern of deviation from the standard of care.

Sincerely,

Thomas F. Kurtz

Thomas F. Kurtz
President & CEO

TFK:cb

COMMUNITY HOSPITAL

426 Central Dr
Bryan, OH 43506

Medicare Provider Number: 360121

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,059	7.7	9.0	1.1	13.7	13.6	1.2	16.4	17.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	27	25.9	29.0	*	29.6	33.3	*	33.3	37.5	*
Congestive Heart Failure	52	11.5	15.9	6.8	23.1	24.3	8.0	28.8	31.2	6.7
Pneumonia/Influenza	62	17.7	19.0	6.4	24.2	25.8	6.0	27.4	30.9	7.1
Chronic Obstructive Pulmonary Disease	27	7.4	6.0	*	11.1	11.0	*	11.1	15.8	*
Transient Cerebral Ischemia	10	0.0	3.0	*	10.0	7.1	*	10.0	11.4	*
Stroke	38	23.7	21.5	*	34.2	27.6	*	36.8	32.1	*
Hip Fracture	28	3.6	7.2	*	7.1	13.3	*	7.1	17.3	*
Sepsis	23	21.7	31.3	*	30.4	38.9	*	30.4	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.3	*	0.0	5.0	*	0.0	8.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	2.0	*	0.0	3.5	*	0.0	4.5	*
Open Reduction of Hip Fracture	4	0.0	5.5	*	0.0	10.5	*	0.0	13.8	*
Prostatectomy	36	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	20	0.0	3.5	*	0.0	5.5	*	0.0	6.8	*
Hysterectomy	13	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 115
Occupancy Rate 69
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 52
Percent of Physicians Board Certified Specialists 88
Medical Residents/Interns 0
Registered Nurses 101
Licensed Practical Nurses 64

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COMMUNITY HOSPITAL

Medicare Provider Number: 360121

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,087	8.7	9.2	1.0	13.2	13.8	1.1	16.1	17.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	35	31.4	32.2	*	34.3	35.7	*	37.1	39.6	*
Congestive Heart Failure	50	30.0	18.8	*	38.0	27.7	*	38.0	34.9	*
Pneumonia/Influenza	68	17.6	18.9	4.9	25.0	25.3	6.4	29.4	30.3	6.0
Chronic Obstructive Pulmonary Disease	35	11.4	7.0	*	14.3	12.7	*	20.0	17.9	*
Transient Cerebral Ischemia	16	0.0	2.1	*	0.0	4.6	*	0.0	7.3	*
Stroke	33	18.2	20.9	*	27.3	27.0	*	30.3	31.9	*
Hip Fracture	21	14.3	5.8	*	14.3	10.4	*	19.0	13.3	*
Sepsis	23	17.4	29.2	*	34.8	38.0	*	34.8	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.2	*	0.0	5.1	*	0.0	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	27	0.0	1.6	*	0.0	3.0	*	3.7	4.0	*
Open Reduction of Hip Fracture	5	0.0	3.9	*	0.0	7.6	*	0.0	10.1	*
Prostatectomy	24	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	19	0.0	2.2	*	0.0	3.9	*	0.0	5.2	*
Hysterectomy	11	0.0	0.5	*	0.0	1.2	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	967	9.1	9.2	1.0	13.2	13.8	1.2	16.5	17.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	30	50.0	35.7	*	53.3	39.1	*	53.3	42.9	*
Congestive Heart Failure	41	14.6	19.2	*	17.1	28.4	*	26.8	35.9	*
Pneumonia/Influenza	48	27.1	17.8	*	31.3	24.0	*	31.3	29.2	*
Chronic Obstructive Pulmonary Disease	18	5.6	6.8	*	11.1	13.7	*	11.1	20.1	*
Transient Cerebral Ischemia	21	0.0	2.4	*	0.0	5.3	*	4.8	8.5	*
Stroke	26	26.9	22.1	*	38.5	28.5	*	46.2	33.2	*
Hip Fracture	38	5.3	6.6	*	13.2	12.3	*	13.2	16.1	*
Sepsis	16	31.3	38.2	*	31.3	45.1	*	31.3	51.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.0	*	0.0	9.0	*	0.0	14.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	3.0	*	7.1	6.2	*	7.1	8.7	*
Open Reduction of Hip Fracture	19	5.3	5.4	*	15.8	10.3	*	15.8	13.8	*
Prostatectomy	39	2.6	0.5	*	2.6	1.1	*	5.1	1.9	*
Cholecystectomy	23	0.0	1.9	*	0.0	3.1	*	0.0	4.2	*
Hysterectomy	12	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COMMUNITY HOSPITAL OF BEDFORD

44 Blaine St
Bedford, OH 44146

Medicare Provider Number: 360115

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	897	8.9	10.0	1.2	14.4	14.7	1.2	18.3	18.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	28.4	*	30.0	30.7	*	35.0	33.8	*
Congestive Heart Failure	59	13.6	15.1	5.3	30.5	22.8	7.0	32.2	29.4	6.2
Pneumonia/Influenza	30	16.7	14.7	*	23.3	20.1	*	26.7	24.1	*
Chronic Obstructive Pulmonary Disease	20	0.0	7.3	*	5.0	13.0	*	10.0	18.0	*
Transient Cerebral Ischemia	22	0.0	2.2	*	4.5	5.0	*	4.5	8.1	*
Stroke	41	22.0	23.9	*	26.8	29.9	*	29.3	34.2	*
Hip Fracture	20	5.0	9.2	*	10.0	16.2	*	15.0	20.8	*
Sepsis	13	23.1	25.0	*	46.2	31.4	*	53.8	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	4.3	*	0.0	9.0	*	0.0	13.6	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	5	0.0	7.0	*	0.0	13.1	*	0.0	17.5	*
Open Reduction of Hip Fracture	9	11.1	7.8	*	11.1	13.9	*	22.2	17.6	*
Prostatectomy	31	0.0	1.2	*	3.2	2.9	*	3.2	4.9	*
Cholecystectomy	25	0.0	4.9	*	0.0	7.8	*	8.0	9.6	*
Hysterectomy	3	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 110
Occupancy Rate 54
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 53
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 0
Registered Nurses 70
Licensed Practical Nurses 29

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COMMUNITY HOSPITAL OF BEDFORD

Medicare Provider Number: 360115

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,014	9.4	10.1	1.1	14.1	15.2	1.2	16.9	19.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	25	48.0	24.4	*	52.0	27.1	*	52.0	30.2	*
Congestive Heart Failure	64	12.5	15.2	5.8	15.6	22.6	7.4	18.8	29.0	9.7
Pneumonia/Influenza	52	19.2	19.3	6.0	21.2	25.8	7.8	23.1	30.4	10.5
Chronic Obstructive Pulmonary Disease	22	9.1	8.1	*	13.6	13.9	*	13.6	18.7	*
Transient Cerebral Ischemia	35	0.0	2.0	*	2.9	4.3	*	5.7	6.8	*
Stroke	40	22.5	22.1	*	27.5	28.9	*	30.0	33.6	*
Hip Fracture	18	0.0	9.6	*	11.1	16.6	*	16.7	20.6	*
Sepsis	6	33.3	30.5	*	50.0	38.8	*	50.0	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.8	*	0.0	6.9	*	0.0	9.8	*
Carotid Endarterectomy	4	0.0	2.0	*	0.0	4.2	*	0.0	6.4	*
Hip Replacement/Reconstruction	3	0.0	5.0	*	0.0	8.7	*	0.0	10.9	*
Open Reduction of Hip Fracture	13	0.0	9.4	*	15.4	17.2	*	23.1	21.8	*
Prostatectomy	51	0.0	1.5	2.3	3.9	3.4	2.6	5.9	5.5	3.3
Cholecystectomy	24	4.2	2.9	*	8.3	4.8	*	12.5	6.0	*
Hysterectomy	6	16.7	0.9	*	16.7	1.8	*	16.7	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	922	11.0	10.4	1.2	14.2	15.0	1.5	17.6	18.7	1.8
CONDITIONS:										
Acute Myocardial Infarction	26	34.6	30.7	*	34.6	33.5	*	38.5	36.7	*
Congestive Heart Failure	59	13.6	16.9	6.2	22.0	24.9	8.1	28.8	31.8	7.1
Pneumonia/Influenza	43	14.0	16.7	*	14.0	22.2	*	20.9	26.5	*
Chronic Obstructive Pulmonary Disease	17	11.8	14.1	*	23.5	22.5	*	23.5	28.8	*
Transient Cerebral Ischemia	22	9.1	2.6	*	9.1	5.5	*	9.1	8.6	*
Stroke	51	27.5	21.4	9.6	31.4	27.8	10.3	31.4	31.9	11.0
Hip Fracture	18	0.0	8.6	*	5.6	14.8	*	11.1	18.4	*
Sepsis	10	50.0	35.3	*	50.0	43.7	*	50.0	50.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.8	*	14.3	8.3	*	14.3	11.4	*
Carotid Endarterectomy	4	0.0	1.9	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction	5	0.0	9.2	*	20.0	18.3	*	20.0	24.7	*
Open Reduction of Hip Fracture	11	0.0	6.7	*	9.1	12.3	*	18.2	15.9	*
Prostatectomy	50	4.0	1.1	*	10.0	2.6	*	10.0	4.4	*
Cholecystectomy	20	0.0	2.0	*	0.0	3.5	*	0.0	4.6	*
Hysterectomy	5	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COMMUNITY HOSPITAL OF SPRINGFIELD

2615 E High St
Springfield, OH 45501

Medicare Provider Number: 360187

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,954	10.0	9.0	1.1	14.0	13.5	1.0	17.5	17.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	85	28.2	26.6	5.2	29.4	30.2	5.5	30.6	33.8	6.8
Congestive Heart Failure	101	11.9	15.3	4.1	21.8	23.7	4.5	32.7	30.6	4.8
Pneumonia/Influenza	114	17.5	16.1	4.8	26.3	22.2	7.1	31.6	26.9	7.4
Chronic Obstructive Pulmonary Disease	67	14.9	6.4	5.2	16.4	11.3	5.1	20.9	15.8	5.5
Transient Cerebral Ischemia	25	0.0	1.6	*	8.0	3.5	*	8.0	5.6	*
Stroke	65	18.5	19.1	5.8	21.5	25.5	7.0	27.7	29.7	6.7
Hip Fracture	33	12.1	6.3	*	12.1	11.1	*	15.2	14.3	*
Sepsis	21	28.6	28.5	*	38.1	37.5	*	47.6	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	43	4.7	3.0	*	9.3	5.7	*	14.0	8.2	*
Carotid Endarterectomy	9	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	32	0.0	2.8	*	0.0	5.4	*	0.0	7.6	*
Open Reduction of Hip Fracture	19	15.8	5.8	*	15.8	10.6	*	21.1	13.8	*
Prostatectomy	53	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*
Cholecystectomy	49	2.0	4.8	*	2.0	7.7	*	6.1	9.7	*
Hysterectomy	20	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 232
Occupancy Rate 65
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 115
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 0
Registered Nurses 256
Licensed Practical Nurses 27

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COMMUNITY HOSPITAL OF SPRINGFIELD

Medicare Provider Number: 360187

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,113	8.3	8.5	0.6	13.0	13.0	0.9	16.7	16.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	76	26.3	28.3	5.3	31.6	31.6	5.8	35.5	35.1	5.6
Congestive Heart Failure	114	14.0	15.9	4.7	22.8	24.5	4.3	33.3	31.4	5.5
Pneumonia/Influenza	85	18.8	15.4	4.4	22.4	20.8	4.7	23.5	25.2	4.8
Chronic Obstructive Pulmonary Disease	94	5.3	5.9	2.5	9.6	10.5	3.7	14.9	14.7	4.0
Transient Cerebral Ischemia	43	2.3	1.7	*	2.3	3.6	*	2.3	5.6	*
Stroke	62	19.4	18.7	5.6	25.8	25.1	6.3	30.6	29.6	6.6
Hip Fracture	55	7.3	7.4	3.9	12.7	13.4	4.6	12.7	17.3	6.4
Sepsis	20	30.0	31.4	*	40.0	41.3	*	40.0	47.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	40	7.5	4.9	*	12.5	7.8	*	17.5	10.4	*
Carotid Endarterectomy	9	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	45	2.2	4.4	*	4.4	8.4	*	4.4	11.0	*
Open Reduction of Hip Fracture	27	11.1	6.7	*	18.5	12.4	*	18.5	16.0	*
Prostatectomy	67	1.5	0.9	1.4	1.5	2.4	2.0	4.5	4.1	2.5
Cholecystectomy	42	2.4	3.3	*	4.8	5.8	*	9.5	7.4	*
Hysterectomy	11	0.0	1.1	*	0.0	2.0	*	0.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,255	8.3	9.3	0.9	13.8	14.1	1.1	16.6	17.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	82	19.5	30.3	6.6	29.3	33.7	6.0	31.7	37.0	5.7
Congestive Heart Failure	106	14.2	18.4	5.2	28.3	27.7	6.4	32.1	34.9	7.4
Pneumonia/Influenza	87	23.0	20.4	4.9	33.3	27.5	9.6	36.8	32.9	8.2
Chronic Obstructive Pulmonary Disease	86	8.1	8.6	3.1	15.1	15.0	3.9	23.3	20.2	5.8
Transient Cerebral Ischemia	40	0.0	2.1	*	0.0	4.6	*	2.5	7.4	*
Stroke	81	21.0	21.7	5.4	27.2	28.4	5.1	32.1	32.9	5.3
Hip Fracture	54	7.4	6.0	4.9	14.8	10.6	5.9	14.8	13.7	5.9
Sepsis	20	15.0	33.4	*	25.0	41.8	*	30.0	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	41	2.4	2.4	*	2.4	5.1	*	4.9	7.9	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.6	*	14.3	3.8	*
Hip Replacement/Reconstruction	43	7.0	3.2	*	9.3	6.1	*	9.3	8.2	*
Open Reduction of Hip Fracture	34	5.9	5.3	*	14.7	9.8	*	14.7	12.8	*
Prostatectomy	77	0.0	0.9	1.3	1.3	2.1	1.8	1.3	3.7	2.9
Cholecystectomy	42	4.8	2.5	*	4.8	4.6	*	7.1	6.3	*
Hysterectomy	24	0.0	0.4	*	0.0	0.9	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

COMMUNITY MEMORIAL HOSPITAL

208 N Columbus St
Hicksville, OH 43526

Medicare Provider Number: 360140

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	173	6.9	7.6	2.6	9.2	11.9	3.7	12.7	15.6	4.4
CONDITIONS:										
Acute Myocardial Infarction	6	33.3	32.4	*	33.3	36.4	*	33.3	40.2	*
Congestive Heart Failure	11	9.1	13.3	*	9.1	20.7	*	27.3	27.2	*
Pneumonia/Influenza	14	7.1	10.7	*	7.1	14.7	*	7.1	18.2	*
Chronic Obstructive Pulmonary Disease	4	25.0	4.4	*	25.0	9.5	*	25.0	14.3	*
Transient Cerebral Ischemia	1	0.0	1.6	*	0.0	3.5	*	0.0	5.7	*
Stroke	7	0.0	16.9	*	42.9	22.7	*	42.9	27.0	*
Hip Fracture	1	0.0	4.3	*	0.0	8.3	*	0.0	11.4	*
Sepsis	3	33.3	15.5	*	33.3	22.8	*	33.3	28.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	3.7	*	0.0	7.6	*	0.0	10.5	*
Prostatectomy	4	0.0	0.4	*	0.0	0.9	*	0.0	1.6	*
Cholecystectomy	3	0.0	1.4	*	0.0	2.2	*	0.0	2.7	*
Hysterectomy	1	0.0	1.2	*	0.0	2.3	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 30
Occupancy Rate 27
Ownership/Control ..... District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 360140

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	224	7.6	7.8	1.9	12.5	12.4	2.4	16.5	16.4	2.6
CONDITIONS:										
Acute Myocardial Infarction	3	0.0	35.5	*	0.0	38.2	*	0.0	41.9	*
Congestive Heart Failure	18	16.7	13.1	*	27.8	20.6	*	33.3	26.9	*
Pneumonia/Influenza	19	0.0	15.9	*	5.3	22.1	*	15.8	27.0	*
Chronic Obstructive Pulmonary Disease	5	0.0	4.2	*	0.0	9.2	*	20.0	13.8	*
Transient Cerebral Ischemia	3	0.0	2.2	*	0.0	4.9	*	0.0	7.8	*
Stroke	5	0.0	14.9	*	20.0	21.6	*	20.0	26.1	*
Hip Fracture	2	0.0	5.1	*	0.0	9.1	*	0.0	11.7	*
Sepsis	4	25.0	29.7	*	50.0	34.8	*	50.0	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	14	0.0	1.3	*	0.0	3.2	*	7.1	5.5	*
Cholecystectomy	4	0.0	2.4	*	0.0	4.4	*	0.0	5.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	203	9.4	7.8	2.5	12.3	12.1	2.5	15.3	15.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	7	71.4	32.4	*	71.4	36.5	*	85.7	39.8	*
Congestive Heart Failure	11	0.0	14.1	*	0.0	23.5	*	9.1	31.5	*
Pneumonia/Influenza	13	15.4	16.1	*	23.1	22.8	*	23.1	28.2	*
Chronic Obstructive Pulmonary Disease	3	0.0	7.4	*	33.3	13.4	*	33.3	18.6	*
Transient Cerebral Ischemia	7	0.0	1.9	*	0.0	4.3	*	0.0	7.1	*
Stroke	11	27.3	15.2	*	27.3	20.7	*	27.3	25.0	*
Hip Fracture	1	100.0	6.0	*	100.0	12.7	*	100.0	17.9	*
Sepsis	3	0.0	19.6	*	0.0	24.7	*	0.0	29.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	100.0	5.1	*	100.0	11.3	*	100.0	16.5	*
Prostatectomy	6	0.0	1.1	*	0.0	2.6	*	0.0	4.0	*
Cholecystectomy	5	0.0	1.5	*	0.0	2.9	*	0.0	4.0	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COSHOCTON COUNTY MEMORIAL HOSPITAL

1460 Orange Street
Coshocton, OH 43812

Medicare Provider Number: 360109

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	725	12.7	10.9	2.1	17.5	16.0	1.9	20.8	20.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	35	17.1	27.0	*	20.0	30.7	*	22.9	34.3	*
Congestive Heart Failure	57	28.1	16.9	6.9	36.8	26.2	7.7	38.6	33.6	6.7
Pneumonia/Influenza	60	25.0	18.2	9.3	33.3	24.8	11.3	40.0	30.0	12.4
Chronic Obstructive Pulmonary Disease	14	0.0	6.4	*	14.3	12.1	*	14.3	16.9	*
Transient Cerebral Ischemia	20	0.0	2.2	*	15.0	4.9	*	20.0	8.0	*
Stroke	38	21.1	19.9	*	26.3	26.1	*	28.9	30.4	*
Hip Fracture	22	13.6	4.7	*	13.6	8.7	*	18.2	11.6	*
Sepsis	5	60.0	37.3	*	60.0	45.6	*	80.0	53.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	3.9	*	0.0	7.8	*	12.5	10.7	*
Open Reduction of Hip Fracture	16	18.8	4.6	*	18.8	8.7	*	25.0	11.6	*
Prostatectomy	4	0.0	2.5	*	0.0	6.3	*	0.0	10.5	*
Cholecystectomy	14	0.0	2.0	*	0.0	3.3	*	0.0	4.0	*
Hysterectomy	7	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 110
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 52
Licensed Practical Nurses 18

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

COSHOCTON COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 360109

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	741	13.0	10.9	1.8	18.1	15.9	2.1	21.5	19.8	1.9
CONDITIONS:										
Acute Myocardial Infarction	36	38.9	28.4	*	44.4	32.0	*	47.2	35.6	*
Congestive Heart Failure	47	17.0	18.6	*	27.7	28.5	*	38.3	36.2	*
Pneumonia/Influenza	51	19.6	17.1	7.1	25.5	22.7	7.1	29.4	27.2	7.4
Chronic Obstructive Pulmonary Disease	13	7.7	8.1	*	23.1	13.4	*	23.1	17.7	*
Transient Cerebral Ischemia	24	0.0	2.2	*	0.0	4.8	*	0.0	7.7	*
Stroke	42	26.2	21.5	*	33.3	28.7	*	33.3	33.6	*
Hip Fracture	16	12.5	6.6	*	25.0	12.0	*	25.0	15.3	*
Sepsis	4	25.0	38.5	*	25.0	47.2	*	25.0	53.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	7.0	*	33.3	13.6	*	33.3	17.8	*
Open Reduction of Hip Fracture	16	12.5	5.7	*	25.0	10.8	*	25.0	14.2	*
Prostatectomy	11	0.0	1.0	*	9.1	2.5	*	9.1	4.3	*
Cholecystectomy	18	0.0	1.9	*	0.0	3.4	*	5.6	4.3	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	789	12.5	10.4	1.8	18.8	15.2	1.9	21.9	19.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	49	26.5	25.5	*	30.6	28.8	*	30.6	32.0	*
Congestive Heart Failure	73	12.3	16.6	8.1	23.3	25.1	5.3	31.5	32.0	5.5
Pneumonia/Influenza	34	17.6	18.0	*	32.4	24.7	*	35.3	30.1	*
Chronic Obstructive Pulmonary Disease	15	26.7	9.1	*	26.7	15.7	*	40.0	20.8	*
Transient Cerebral Ischemia	24	0.0	2.1	*	4.2	4.6	*	4.2	7.4	*
Stroke	31	35.5	20.0	*	54.8	26.3	*	58.1	31.0	*
Hip Fracture	28	7.1	6.7	*	14.3	12.2	*	14.3	15.8	*
Sepsis	6	16.7	36.5	*	50.0	45.2	*	50.0	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	5.3	5.2	*	10.5	10.6	*	10.5	14.7	*
Open Reduction of Hip Fracture	27	7.4	5.8	*	14.8	11.2	*	14.8	14.8	*
Prostatectomy	9	0.0	1.0	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	25	4.0	3.3	*	16.0	5.4	*	16.0	6.7	*
Hysterectomy	9	0.0	0.8	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CRESTLINE MEMORIAL HOSPITAL

291 Heiser Court
Crestline, OH 44827

Medicare Provider Number: 360164

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	101	10.9	12.1	4.6	19.8	17.9	4.7	24.8	22.2	4.5
CONDITIONS:										
Acute Myocardial Infarction	3	0.0	25.0	*	33.3	27.7	*	33.3	30.9	*
Congestive Heart Failure	9	22.2	22.2	*	33.3	32.5	*	55.6	40.0	*
Pneumonia/Influenza	13	15.4	18.5	*	23.1	24.7	*	30.8	29.5	*
Chronic Obstructive Pulmonary Disease	1	0.0	9.8	*	0.0	18.7	*	0.0	26.0	*
Transient Cerebral Ischemia	2	0.0	2.1	*	0.0	4.9	*	0.0	7.9	*
Stroke	1	100.0	38.3	*	100.0	43.5	*	100.0	48.3	*
Hip Fracture	0									
Sepsis	4	0.0	33.6	*	25.0	40.3	*	25.0	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	1.1	*	0.0	2.6	*	0.0	4.5	*
Cholecystectomy	1	0.0	2.7	*	0.0	5.7	*	0.0	7.7	*
Hysterectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	40
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	8
Percent of Physicians Board Certified Specialists	25
Medical Residents/Interns	0
Registered Nurses	35
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CRESTLINE MEMORIAL HOSPITAL

Medicare Provider Number: 360164

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	136	9.6	12.4	3.8	19.1	18.0	3.6	22.8	22.5	3.8
CONDITIONS:										
Acute Myocardial Infarction	3	0.0	22.6	*	0.0	25.6	*	0.0	29.2	*
Congestive Heart Failure	7	0.0	15.8	*	28.6	23.7	*	57.1	30.4	*
Pneumonia/Influenza	11	0.0	19.7	*	36.4	26.2	*	36.4	31.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	10.0	*	0.0	15.0	*	0.0	19.3	*
Transient Cerebral Ischemia	0									
Stroke	4	0.0	15.6	*	0.0	22.5	*	0.0	26.9	*
Hip Fracture	2	0.0	4.3	*	0.0	7.9	*	0.0	10.4	*
Sepsis	9	55.6	39.1	*	66.7	48.1	*	66.7	55.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	3.7	*	0.0	6.8	*	0.0	9.0	*
Prostatectomy	4	0.0	1.1	*	0.0	2.5	*	0.0	3.9	*
Cholecystectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	2.8	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	135	8.1	8.3	4.2	10.4	12.8	4.9	13.3	16.5	5.2
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	31.6	*	0.0	34.1	*	0.0	37.1	*
Congestive Heart Failure	9	0.0	20.3	*	11.1	32.1	*	22.2	41.3	*
Pneumonia/Influenza	13	15.4	19.8	*	23.1	25.6	*	30.8	30.3	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	4	0.0	2.4	*	0.0	5.0	*	0.0	8.1	*
Stroke	1	0.0	11.3	*	0.0	16.3	*	0.0	19.5	*
Hip Fracture	3	0.0	3.7	*	0.0	7.5	*	0.0	10.5	*
Sepsis	3	0.0	17.8	*	0.0	22.5	*	0.0	27.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	2.2	*	0.0	4.5	*	0.0	6.2	*
Open Reduction of Hip Fracture	1	0.0	2.5	*	0.0	5.0	*	0.0	6.9	*
Prostatectomy	5	0.0	1.3	*	0.0	3.0	*	0.0	4.9	*
Cholecystectomy	4	25.0	4.3	*	25.0	7.1	*	25.0	8.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CUYAHOGA FALLS GENERAL HOSPITAL

1900 23rd St
Cuyahoga Falls, OH 44223

Medicare Provider Number: 360150

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,214	10.0	9.4	1.3	14.1	14.0	1.0	18.5	17.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	27	25.9	26.8	*	33.3	29.4	*	33.3	32.3	*
Congestive Heart Failure	80	18.7	16.0	5.2	23.7	24.6	5.8	32.5	31.7	6.0
Pneumonia/Influenza	53	13.2	20.3	8.8	20.8	27.1	8.4	32.1	32.2	6.5
Chronic Obstructive Pulmonary Disease	18	11.1	7.4	*	11.1	12.9	*	22.2	17.9	*
Transient Cerebral Ischemia	21	0.0	1.9	*	4.8	4.1	*	9.5	6.5	*
Stroke	46	23.9	22.0	*	32.6	28.4	*	41.3	32.7	*
Hip Fracture	27	11.1	7.7	*	18.5	13.4	*	33.3	17.0	*
Sepsis	15	26.7	32.0	*	40.0	40.2	*	46.7	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.3	*	0.0	7.4	*	0.0	9.8	*
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	16	6.3	5.3	*	12.5	9.2	*	25.0	11.6	*
Open Reduction of Hip Fracture	13	15.4	6.9	*	23.1	12.8	*	30.8	16.7	*
Prostatectomy	14	0.0	0.8	*	7.1	1.9	*	7.1	3.1	*
Cholecystectomy	36	2.8	3.1	*	2.8	5.5	*	5.6	7.2	*
Hysterectomy	13	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 159
Occupancy Rate 54
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 75
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 25
Registered Nurses 105
Licensed Practical Nurses 55

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CUYAHOGA FALLS GENERAL HOSPITAL

Medicare Provider Number: 360150

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,272	10.0	9.8	0.9	14.8	14.6	1.0	18.3	18.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	30	33.3	28.1	*	36.7	31.0	*	40.0	34.4	*
Congestive Heart Failure	68	16.2	17.3	4.8	26.5	25.9	5.4	30.9	32.8	6.5
Pneumonia/Influenza	70	21.4	19.4	5.2	31.4	25.9	6.2	38.6	30.8	8.4
Chronic Obstructive Pulmonary Disease	23	8.7	10.0	*	17.4	16.3	*	17.4	21.0	*
Transient Cerebral Ischemia	28	3.6	2.2	*	10.7	4.6	*	10.7	7.2	*
Stroke	53	24.5	20.5	6.7	32.1	27.5	7.4	35.8	32.1	7.1
Hip Fracture	28	14.3	10.3	*	14.3	18.2	*	17.9	22.8	*
Sepsis	10	30.0	34.0	*	30.0	42.6	*	40.0	49.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.2	*	0.0	5.5	*	0.0	7.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	6.6	*	5.9	11.2	*	5.9	13.9	*
Open Reduction of Hip Fracture	13	15.4	8.7	*	15.4	16.2	*	15.4	20.7	*
Prostatectomy	26	0.0	1.5	*	3.8	3.5	*	3.8	5.3	*
Cholecystectomy	24	0.0	2.4	*	0.0	4.3	*	0.0	5.6	*
Hysterectomy	6	16.7	0.7	*	16.7	1.4	*	16.7	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,221	10.0	9.3	0.9	14.8	13.7	1.2	19.2	17.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	29	31.0	31.8	*	34.5	35.3	*	37.9	38.8	*
Congestive Heart Failure	58	20.7	15.4	5.0	36.2	23.6	7.5	48.3	30.4	8.1
Pneumonia/Influenza	68	17.6	17.2	5.0	35.3	23.1	7.2	39.7	27.7	7.6
Chronic Obstructive Pulmonary Disease	14	7.1	12.9	*	21.4	20.7	*	35.7	26.1	*
Transient Cerebral Ischemia	36	0.0	2.3	*	5.6	4.9	*	5.6	7.7	*
Stroke	40	20.0	22.2	*	25.0	29.5	*	27.5	34.1	*
Hip Fracture	29	6.9	6.1	*	10.3	10.8	*	10.3	13.9	*
Sepsis	28	10.7	33.3	*	17.9	41.8	*	35.7	48.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.8	*	14.3	5.5	*	14.3	8.3	*
Carotid Endarterectomy	8	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	17	5.9	4.8	*	11.8	8.6	*	11.8	10.8	*
Open Reduction of Hip Fracture	6	16.7	4.9	*	16.7	9.3	*	16.7	12.3	*
Prostatectomy	24	4.2	1.4	*	8.3	3.5	*	12.5	6.0	*
Cholecystectomy	30	3.3	3.7	*	3.3	6.5	*	6.7	8.3	*
Hysterectomy	13	0.0	1.1	*	0.0	2.7	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DEACONESS HOSPITAL

311 Straight St
Cincinnati, OH 45219

Medicare Provider Number: 360038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,888	7.7	8.9	0.7	13.2	13.9	0.7	16.7	17.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	57	31.6	27.8	6.7	35.1	31.3	6.7	38.6	34.9	7.1
Congestive Heart Failure	133	14.3	16.0	3.7	27.1	24.7	4.3	29.3	31.8	5.4
Pneumonia/Influenza	165	15.8	17.8	5.0	19.4	24.2	5.0	27.3	29.2	4.0
Chronic Obstructive Pulmonary Disease	52	3.8	6.9	4.0	11.5	12.2	6.3	11.5	16.8	7.6
Transient Cerebral Ischemia	45	0.0	1.8	*	0.0	4.0	*	0.0	6.5	*
Stroke	85	12.9	16.9	7.3	20.0	23.8	7.7	22.4	28.1	9.4
Hip Fracture	55	3.6	6.0	3.8	9.1	11.1	4.7	16.4	14.7	5.3
Sepsis	40	32.5	31.2	*	42.5	40.1	*	47.5	46.5	*
PROCEDURES:										
Angioplasty	29	3.4	2.9	*	3.4	4.0	*	3.4	5.3	*
Coronary Artery Bypass Graft	50	2.0	5.7	*	2.0	8.0	*	2.0	9.5	*
Initial Pacemaker Insertion	31	0.0	3.1	*	3.2	6.3	*	3.2	9.5	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	34	0.0	3.2	*	2.9	5.9	*	5.9	7.9	*
Open Reduction of Hip Fracture	31	6.5	5.5	*	12.9	10.8	*	19.4	14.6	*
Prostatectomy	93	0.0	1.0	1.3	4.3	2.4	2.8	4.3	4.0	2.1
Cholecystectomy	80	1.2	3.9	3.0	8.7	6.3	3.5	8.7	7.8	3.3
Hysterectomy	17	0.0	1.3	*	0.0	2.7	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 265
Occupancy Rate 75
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 179
Percent of Physicians Board Certified Specialists 79
Medical Residents/Interns 0
Registered Nurses 185
Licensed Practical Nurses 67

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DEACONESS HOSPITAL

Medicare Provider Number: 360038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,048	8.2	9.2	0.7	13.4	14.2	1.0	16.5	18.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	64	23.4	28.8	7.3	23.4	32.2	8.4	25.0	35.5	9.7
Congestive Heart Failure	150	14.0	16.7	4.1	25.3	25.4	3.9	30.0	32.2	5.5
Pneumonia/Influenza	175	16.6	17.8	3.1	23.4	24.0	3.3	26.3	28.8	4.3
Chronic Obstructive Pulmonary Disease	46	8.7	9.0	*	15.2	15.4	*	15.2	21.0	*
Transient Cerebral Ischemia	55	1.8	2.0	2.2	3.6	4.6	3.4	3.6	7.3	4.2
Stroke	110	20.9	19.5	4.0	29.1	27.4	4.7	33.6	32.4	5.5
Hip Fracture	51	7.8	6.8	3.7	9.8	12.5	5.4	13.7	16.2	6.4
Sepsis	20	25.0	40.6	*	35.0	49.9	*	40.0	57.8	*
PROCEDURES:										
Angioplasty	46	6.5	4.7	*	6.5	5.6	*	6.5	6.7	*
Coronary Artery Bypass Graft	58	3.4	6.0	4.2	6.9	8.6	5.0	6.9	10.2	4.7
Initial Pacemaker Insertion	17	17.6	10.8	*	17.6	14.5	*	23.5	17.5	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	34	0.0	2.1	*	0.0	4.1	*	2.9	5.6	*
Open Reduction of Hip Fracture	31	3.2	6.3	*	6.5	12.0	*	6.5	15.8	*
Prostatectomy	69	1.4	1.5	1.4	1.4	3.6	3.3	7.2	5.8	3.3
Cholecystectomy	72	4.2	3.8	2.3	6.9	7.0	3.0	9.7	9.3	3.5
Hysterectomy	17	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,832	8.2	9.6	0.7	14.4	14.9	0.8	18.5	19.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	55	25.5	28.5	7.3	29.1	31.6	7.5	29.1	34.9	8.7
Congestive Heart Failure	139	12.9	17.1	4.5	19.4	25.9	5.5	25.9	33.0	6.6
Pneumonia/Influenza	161	16.8	19.9	3.9	26.7	26.5	4.3	33.5	31.7	4.3
Chronic Obstructive Pulmonary Disease	60	5.0	8.8	6.6	13.3	14.9	8.3	18.3	19.8	5.9
Transient Cerebral Ischemia	54	0.0	2.5	3.6	5.6	5.4	3.7	9.3	8.6	5.2
Stroke	95	12.6	18.2	7.9	22.1	25.6	7.0	26.3	30.2	7.2
Hip Fracture	67	6.0	6.7	3.3	16.4	12.4	5.2	17.9	16.2	5.3
Sepsis	24	25.0	32.7	*	25.0	41.7	*	37.5	48.9	*
PROCEDURES:										
Angioplasty	17	5.9	7.2	*	5.9	8.6	*	5.9	10.4	*
Coronary Artery Bypass Graft	41	7.3	6.2	*	9.8	8.4	*	9.8	9.6	*
Initial Pacemaker Insertion	32	3.1	2.8	*	3.1	5.8	*	6.3	8.6	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	43	4.7	3.5	*	9.3	6.9	*	11.6	9.3	*
Open Reduction of Hip Fracture	32	3.1	5.9	*	15.6	11.2	*	18.8	14.7	*
Prostatectomy	55	0.0	2.0	3.4	3.6	4.6	4.3	9.1	7.3	4.5
Cholecystectomy	45	0.0	4.2	*	4.4	7.0	*	6.7	8.6	*
Hysterectomy	13	0.0	1.0	*	7.7	2.2	*	7.7	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DEACONESS HOSPITAL

4229 Pearl Rd
Cleveland, OH 44109

Medicare Provider Number: 360102

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,605	8.4	8.9	0.7	13.3	13.5	0.8	16.8	17.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	58	32.8	26.9	7.4	32.8	29.8	6.8	34.5	32.8	6.4
Congestive Heart Failure	148	14.2	15.3	3.2	23.6	23.6	3.5	31.1	30.4	3.8
Pneumonia/Influenza	112	7.1	16.6	5.2	11.6	22.5	5.8	19.6	27.2	5.5
Chronic Obstructive Pulmonary Disease	60	8.3	10.5	4.2	13.3	16.9	6.2	16.7	22.2	6.9
Transient Cerebral Ischemia	63	3.2	2.2	2.0	3.2	4.8	2.8	4.8	7.3	3.7
Stroke	94	20.2	21.4	4.6	25.5	27.9	6.3	28.7	32.3	7.5
Hip Fracture	42	7.1	6.8	*	11.9	12.1	*	14.3	15.7	*
Sepsis	10	30.0	24.1	*	40.0	35.4	*	40.0	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	4.5	*	0.0	7.6	*	0.0	10.6	*
Carotid Endarterectomy	18	0.0	1.4	*	0.0	2.5	*	5.6	3.7	*
Hip Replacement/Reconstruction	37	5.4	2.8	*	5.4	5.3	*	5.4	7.2	*
Open Reduction of Hip Fracture	15	6.7	6.0	*	13.3	10.7	*	20.0	13.7	*
Prostatectomy	59	1.7	1.0	1.6	8.5	2.4	3.4	11.9	4.0	3.8
Cholecystectomy	50	8.0	2.5	*	10.0	4.3	*	10.0	5.5	*
Hysterectomy	29	3.4	0.6	*	3.4	1.2	*	3.4	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	316
Occupancy Rate	62
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	175
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	199
Licensed Practical Nurses	99

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DEACONESS HOSPITAL

Medicare Provider Number: 360102

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,732	7.2	9.3	0.9	12.7	13.9	0.8	15.6	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	78	23.1	31.2	10.4	32.1	34.2	9.6	33.3	37.5	7.1
Congestive Heart Failure	142	14.8	16.8	4.6	25.4	25.0	4.0	30.3	31.7	4.8
Pneumonia/Influenza	103	7.8	18.7	5.9	19.4	25.0	5.2	25.2	29.9	5.0
Chronic Obstructive Pulmonary Disease	58	12.1	9.9	4.1	24.1	16.4	6.2	25.9	22.0	7.8
Transient Cerebral Ischemia	71	0.0	2.2	2.6	2.8	4.5	3.5	5.6	7.0	3.9
Stroke	122	17.2	21.7	6.8	20.5	28.8	7.7	30.3	33.5	5.5
Hip Fracture	40	5.0	8.3	*	7.5	14.6	*	7.5	18.1	*
Sepsis	17	29.4	27.9	*	47.1	37.4	*	47.1	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	8.9	*	16.7	13.7	*	16.7	17.0	*
Carotid Endarterectomy	31	0.0	1.7	*	6.5	3.2	*	9.7	4.7	*
Hip Replacement/Reconstruction	37	0.0	2.1	*	0.0	3.9	*	0.0	5.1	*
Open Reduction of Hip Fracture	24	0.0	7.7	*	4.2	14.1	*	4.2	18.0	*
Prostatectomy	100	1.0	1.1	2.4	5.0	2.5	3.2	7.0	4.0	4.2
Cholecystectomy	49	2.0	2.5	*	4.1	4.3	*	4.1	5.6	*
Hysterectomy	23	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,621	7.3	9.0	0.8	12.6	13.6	0.9	15.8	17.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	69	21.7	28.2	7.2	31.9	31.1	5.6	33.3	34.1	5.7
Congestive Heart Failure	167	13.8	18.3	5.8	22.8	27.1	6.3	28.7	34.3	7.1
Pneumonia/Influenza	90	4.4	18.0	5.5	12.2	23.9	6.3	15.6	28.8	6.0
Chronic Obstructive Pulmonary Disease	51	5.9	15.2	7.4	11.8	23.4	9.8	15.7	29.2	10.0
Transient Cerebral Ischemia	70	0.0	2.3	2.7	4.3	4.7	2.6	7.1	7.3	3.1
Stroke	78	14.1	20.7	6.3	21.8	27.6	6.1	32.1	32.1	5.3
Hip Fracture	39	7.7	8.3	*	15.4	14.4	*	15.4	18.3	*
Sepsis	19	26.3	27.0	*	36.8	36.1	*	36.8	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	22.2	4.0	*	22.2	7.5	*	22.2	10.5	*
Carotid Endarterectomy	52	0.0	1.8	2.9	1.9	3.3	3.4	3.8	4.7	3.6
Hip Replacement/Reconstruction	25	8.0	3.2	*	8.0	5.5	*	8.0	6.9	*
Open Reduction of Hip Fracture	16	0.0	8.9	*	12.5	16.4	*	12.5	21.0	*
Prostatectomy	76	0.0	1.4	3.4	3.9	3.3	3.2	9.2	5.4	3.7
Cholecystectomy	49	2.0	3.0	*	4.1	4.8	*	6.1	5.9	*
Hysterectomy	24	0.0	0.8	*	0.0	1.4	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DEFIANCE HOSPITAL INC

1206 E 2nd St
Defiance, OH 43512

Medicare Provider Number: 360093

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	713	9.4	9.3	1.8	14.6	14.1	1.6	18.1	17.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	26.5	*	35.3	30.0	*	47.1	33.8	*
Congestive Heart Failure	36	16.7	14.3	*	30.6	21.3	*	33.3	27.7	*
Pneumonia/Influenza	66	13.6	16.7	6.2	22.7	22.8	5.2	27.3	27.4	5.6
Chronic Obstructive Pulmonary Disease	20	10.0	8.9	*	20.0	15.5	*	25.0	20.9	*
Transient Cerebral Ischemia	9	0.0	1.8	*	0.0	3.7	*	0.0	5.8	*
Stroke	28	10.7	17.4	*	10.7	24.5	*	17.9	28.8	*
Hip Fracture	18	5.6	6.8	*	5.6	12.6	*	11.1	16.6	*
Sepsis	11	36.4	26.5	*	36.4	33.4	*	36.4	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	3.0	*	100.0	8.0	*	100.0	13.7	*
Carotid Endarterectomy	1	0.0	4.0	*	0.0	7.0	*	0.0	10.3	*
Hip Replacement/Reconstruction	8	12.5	5.1	*	12.5	10.1	*	12.5	13.7	*
Open Reduction of Hip Fracture	9	0.0	6.8	*	0.0	13.1	*	11.1	17.5	*
Prostatectomy	8	12.5	1.3	*	12.5	3.3	*	12.5	5.5	*
Cholecystectomy	12	8.3	4.9	*	25.0	9.9	*	33.3	13.9	*
Hysterectomy	8	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 96
Occupancy Rate 43
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DEFIANCE HOSPITAL INC

Medicare Provider Number: 360093

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	823	10.2	9.3	1.1	14.3	14.0	1.3	19.2	17.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	32.6	*	23.3	36.5	*	30.0	40.0	*
Congestive Heart Failure	42	16.7	17.9	*	21.4	26.2	*	33.3	33.1	*
Pneumonia/Influenza	67	23.9	17.6	8.6	26.9	23.5	9.5	35.8	28.0	10.6
Chronic Obstructive Pulmonary Disease	18	11.1	10.0	*	16.7	16.7	*	33.3	22.4	*
Transient Cerebral Ischemia	16	6.3	2.8	*	6.3	6.5	*	6.3	10.2	*
Stroke	31	19.4	18.4	*	22.6	24.6	*	25.8	28.8	*
Hip Fracture	25	4.0	6.9	*	12.0	12.5	*	12.0	16.0	*
Sepsis	9	11.1	26.5	*	22.2	32.1	*	22.2	37.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	3.5	*	0.0	5.9	*	0.0	8.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	1.3	*	0.0	2.4	*	0.0	3.1	*
Open Reduction of Hip Fracture	14	0.0	5.3	*	7.1	10.4	*	7.1	13.9	*
Prostatectomy	16	0.0	0.7	*	0.0	1.6	*	6.3	2.6	*
Cholecystectomy	19	5.3	1.6	*	5.3	3.1	*	5.3	4.4	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	20.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	807	11.5	9.5	1.5	16.0	14.3	1.5	19.5	18.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	20	15.0	29.4	*	25.0	32.3	*	30.0	35.5	*
Congestive Heart Failure	38	31.6	17.9	*	44.7	26.9	*	52.6	34.4	*
Pneumonia/Influenza	54	18.5	17.6	5.2	24.1	23.6	6.3	27.8	28.5	6.2
Chronic Obstructive Pulmonary Disease	25	20.0	11.4	*	24.0	18.9	*	32.0	24.7	*
Transient Cerebral Ischemia	13	7.7	2.5	*	15.4	5.9	*	15.4	9.6	*
Stroke	25	36.0	22.5	*	36.0	29.8	*	52.0	34.2	*
Hip Fracture	15	6.7	5.9	*	6.7	10.7	*	6.7	13.8	*
Sepsis	11	27.3	33.4	*	45.5	41.2	*	45.5	46.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.0	*	0.0	6.2	*	0.0	8.5	*
Open Reduction of Hip Fracture	10	10.0	6.1	*	10.0	11.3	*	10.0	14.6	*
Prostatectomy	19	0.0	0.5	*	5.3	1.1	*	10.5	1.9	*
Cholecystectomy	26	3.8	2.2	*	3.8	4.3	*	7.7	5.9	*
Hysterectomy	8	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DETTMER HOSPITAL INC

3130 N Dixie Highway
Troy, OH 45373

Medicare Provider Number: 360184

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7	0.0	0.6	*	0.0	1.7	*	0.0	3.1	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 156
Occupancy Rate 87
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 6
Percent of Physicians Board Certified Specialists 33
Medical Residents/Interns 0
Registered Nurses 51
Licensed Practical Nurses 12

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DETTMER HOSPITAL INC

Medicare Provider Number: 360184

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	26	3.8	5.8	*	11.5	10.7	*	19.2	14.8	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	100.0	30.4	*	100.0	47.9	*	100.0	59.4	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	7.9	*	0.0	18.8	*	0.0	29.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	382	12.3	8.7	2.2	17.8	13.3	2.6	20.4	17.1	2.7
CONDITIONS:										
Acute Myocardial Infarction	13	38.5	27.1	*	38.5	30.2	*	38.5	33.9	*
Congestive Heart Failure	21	28.6	15.2	*	33.3	22.7	*	42.9	29.3	*
Pneumonia/Influenza	16	18.8	17.4	*	25.0	24.2	*	25.0	29.5	*
Chronic Obstructive Pulmonary Disease	2	0.0	5.8	*	0.0	11.2	*	0.0	15.5	*
Transient Cerebral Ischemia	6	0.0	1.5	*	0.0	3.0	*	0.0	4.6	*
Stroke	16	31.3	20.7	*	37.5	26.2	*	43.8	30.6	*
Hip Fracture	9	0.0	9.1	*	22.2	16.3	*	22.2	20.7	*
Sepsis	1	100.0	17.3	*	100.0	25.5	*	100.0	29.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	29.7	*	0.0	35.5	*	0.0	39.3	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	5	0.0	7.3	*	20.0	13.7	*	20.0	18.0	*
Open Reduction of Hip Fracture	4	0.0	9.3	*	25.0	17.2	*	25.0	22.0	*
Prostatectomy	15	6.7	1.6	*	20.0	4.3	*	33.3	7.6	*
Cholecystectomy	10	10.0	2.0	*	10.0	3.5	*	10.0	4.5	*
Hysterectomy	1	0.0	0.4	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DOCTORS HOSPITAL

1087 Dennison Ave
Columbus, OH 43201

Medicare Provider Number: 360152

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,477	7.9	9.1	0.7	13.6	14.0	0.8	18.5	17.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	58	25.9	25.0	6.2	29.3	27.9	6.1	32.8	31.1	6.6
Congestive Heart Failure	138	12.3	14.2	5.3	21.0	22.0	4.6	29.0	28.5	4.0
Pneumonia/Influenza	100	10.0	17.0	6.0	20.0	23.1	5.0	24.0	27.9	5.4
Chronic Obstructive Pulmonary Disease	102	8.8	7.0	2.8	17.6	12.3	4.8	21.6	16.9	5.1
Transient Cerebral Ischemia	37	0.0	1.4	*	0.0	2.9	*	2.7	4.6	*
Stroke	71	12.7	19.6	6.0	16.9	25.6	6.7	26.8	29.8	5.7
Hip Fracture	47	6.4	6.1	*	10.6	11.3	*	14.9	14.9	*
Sepsis	25	4.0	26.1	*	8.0	34.3	*	12.0	39.9	*
PROCEDURES:										
Angioplasty	34	2.9	4.0	*	5.9	5.2	*	8.8	6.3	*
Coronary Artery Bypass Graft	46	8.7	6.0	*	8.7	9.0	*	10.9	10.9	*
Initial Pacemaker Insertion	20	0.0	4.3	*	0.0	8.9	*	5.0	13.0	*
Carotid Endarterectomy	17	0.0	1.5	*	5.9	3.0	*	5.9	4.4	*
Hip Replacement/Reconstruction	31	9.7	3.9	*	9.7	7.2	*	16.1	9.6	*
Open Reduction of Hip Fracture	20	0.0	5.1	*	10.0	10.1	*	10.0	13.8	*
Prostatectomy	65	0.0	0.9	1.5	3.1	2.2	2.0	4.6	3.6	3.0
Cholecystectomy	40	5.0	3.1	*	7.5	5.4	*	12.5	7.0	*
Hysterectomy	10	0.0	0.5	*	10.0	1.1	*	10.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	413
Occupancy Rate	66
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	271
Percent of Physicians Board Certified Specialists	56
Medical Residents/Interns	104
Registered Nurses	266
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DOCTORS HOSPITAL

Medicare Provider Number: 360152

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,603	8.0	8.8	0.7	13.1	13.5	0.8	16.4	17.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	55	20.0	25.7	9.7	29.1	28.9	9.9	29.1	32.3	8.2
Congestive Heart Failure	111	16.2	13.9	3.8	24.3	21.2	6.2	31.5	27.5	8.4
Pneumonia/Influenza	73	21.9	17.1	8.3	26.0	23.4	7.9	28.8	28.2	6.6
Chronic Obstructive Pulmonary Disease	68	10.3	9.3	3.7	14.7	15.8	4.5	20.6	21.4	5.7
Transient Cerebral Ischemia	58	0.0	1.7	*	1.7	3.7	*	3.4	5.7	*
Stroke	62	24.2	17.6	9.6	30.6	24.1	12.6	30.6	28.5	13.4
Hip Fracture	47	8.5	5.8	*	10.6	10.7	*	10.6	14.0	*
Sepsis	36	25.0	33.0	*	33.3	39.7	*	33.3	45.1	*
PROCEDURES:										
Angioplasty	39	7.7	3.9	*	10.3	4.7	*	10.3	5.7	*
Coronary Artery Bypass Graft	42	4.8	5.1	*	4.8	7.1	*	7.1	8.3	*
Initial Pacemaker Insertion	18	8.3	7.5	*	12.5	12.4	*	18.8	16.0	*
Carotid Endarterectomy	19	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	44	9.1	3.2	*	9.1	6.4	*	9.1	8.6	*
Open Reduction of Hip Fracture	14	7.1	5.2	*	7.1	9.5	*	7.1	12.3	*
Prostatectomy	59	0.0	1.1	2.0	1.7	2.6	3.0	3.4	4.4	4.4
Cholecystectomy	52	1.9	2.5	2.4	3.8	4.6	3.3	3.8	6.1	3.9
Hysterectomy	22	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,495	8.2	9.1	0.8	14.6	13.8	0.8	18.8	17.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	58	27.6	30.0	8.2	37.9	33.3	6.5	37.9	36.6	6.9
Congestive Heart Failure	97	11.3	15.9	4.3	24.7	23.7	4.4	28.9	30.3	4.7
Pneumonia/Influenza	78	9.2	15.5	6.5	18.4	21.3	5.7	25.0	26.1	5.1
Chronic Obstructive Pulmonary Disease	83	12.0	10.4	5.1	25.3	17.5	7.9	30.1	22.9	8.1
Transient Cerebral Ischemia	44	0.0	1.8	*	2.3	3.7	*	4.5	5.8	*
Stroke	64	23.4	21.3	5.3	34.4	27.9	7.4	42.2	32.3	9.8
Hip Fracture	40	5.0	9.1	*	25.0	15.8	*	25.0	20.0	*
Sepsis	26	15.4	26.8	*	23.1	34.0	*	23.1	40.1	*
PROCEDURES:										
Angioplasty	20	0.0	2.5	*	5.0	3.3	*	5.0	4.3	*
Coronary Artery Bypass Graft	37	5.4	6.7	*	5.4	9.2	*	5.4	10.7	*
Initial Pacemaker Insertion	20	10.0	5.3	*	15.0	9.2	*	20.0	12.5	*
Carotid Endarterectomy	21	0.0	1.4	*	4.8	2.7	*	4.8	3.8	*
Hip Replacement/Reconstruction	27	3.7	3.2	*	14.8	5.9	*	14.8	7.8	*
Open Reduction of Hip Fracture	21	4.8	9.6	*	28.6	17.5	*	28.6	22.5	*
Prostatectomy	63	1.8	1.8	3.6	6.3	4.4	4.5	9.5	7.2	5.3
Cholecystectomy	33	0.0	2.8	*	3.0	4.9	*	12.1	6.3	*
Hysterectomy	20	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DOCTORS HOSPITAL INC

400 Austin Ave NW
Massillon, OH 44646

Medicare Provider Number: 360151

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,495	8.4	8.0	0.8	12.4	12.2	1.1	16.7	15.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	29	31.0	27.8	*	31.0	31.7	*	34.5	35.5	*
Congestive Heart Failure	72	18.1	14.5	4.5	22.2	22.7	8.7	40.3	29.7	7.7
Pneumonia/Influenza	68	10.3	14.4	5.9	14.7	19.6	6.9	20.6	23.8	6.6
Chronic Obstructive Pulmonary Disease	50	10.0	7.1	*	10.0	11.9	*	14.0	16.1	*
Transient Cerebral Ischemia	32	0.0	1.9	*	0.0	4.4	*	3.1	7.1	*
Stroke	34	8.8	18.1	*	11.8	23.4	*	14.7	27.5	*
Hip Fracture	35	2.9	7.0	*	2.9	12.8	*	5.7	16.9	*
Sepsis	16	12.5	29.5	*	18.8	37.5	*	31.3	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	3.2	*	16.7	6.8	*	33.3	10.3	*
Carotid Endarterectomy	11	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	46	2.2	2.6	*	4.3	5.1	*	4.3	7.2	*
Open Reduction of Hip Fracture	17	0.0	6.4	*	0.0	11.9	*	5.9	15.7	*
Prostatectomy	32	3.1	1.1	*	6.3	2.8	*	6.3	4.8	*
Cholecystectomy	23	13.0	4.4	*	17.4	7.8	*	17.4	10.1	*
Hysterectomy	8	0.0	0.3	*	0.0	0.5	*	12.5	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	188
Occupancy Rate	48
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	67
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	30
Registered Nurses	133
Licensed Practical Nurses	64

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DOCTORS HOSPITAL INC

Medicare Provider Number: 360151

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,562	8.6	8.4	0.7	12.5	12.8	0.9	15.5	16.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	34	44.1	28.0	*	47.1	30.8	*	47.1	34.0	*
Congestive Heart Failure	72	18.1	16.6	4.8	26.4	25.3	5.2	29.2	32.5	7.0
Pneumonia/Influenza	46	19.6	15.3	*	23.9	20.5	*	30.4	24.7	*
Chronic Obstructive Pulmonary Disease	42	9.5	10.7	*	16.7	18.0	*	19.0	24.0	*
Transient Cerebral Ischemia	30	3.3	2.0	*	6.7	4.2	*	6.7	6.6	*
Stroke	36	27.8	22.2	*	30.6	28.3	*	36.1	32.8	*
Hip Fracture	19	21.1	7.9	*	21.1	14.0	*	21.1	17.9	*
Sepsis	12	25.0	28.4	*	33.3	36.3	*	33.3	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.4	*	0.0	6.4	*	0.0	9.6	*
Carotid Endarterectomy	10	0.0	1.3	*	0.0	2.3	*	10.0	3.3	*
Hip Replacement/Reconstruction	44	0.0	1.6	*	2.3	3.3	*	2.3	4.8	*
Open Reduction of Hip Fracture	13	30.8	7.3	*	30.8	13.2	*	30.8	16.8	*
Prostatectomy	49	0.0	1.7	*	2.0	4.2	*	4.1	6.9	*
Cholecystectomy	15	0.0	4.0	*	0.0	7.1	*	0.0	9.0	*
Hysterectomy	9	0.0	1.6	*	0.0	3.2	*	0.0	4.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,552	8.8	7.7	1.1	13.1	12.0	1.1	16.0	15.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	25	28.0	28.9	*	32.0	31.4	*	36.0	34.3	*
Congestive Heart Failure	68	22.1	15.2	6.4	32.4	22.9	9.6	38.2	29.5	9.7
Pneumonia/Influenza	47	19.1	14.0	*	27.7	19.2	*	31.9	23.4	*
Chronic Obstructive Pulmonary Disease	39	17.9	11.4	*	20.5	18.6	*	35.9	23.9	*
Transient Cerebral Ischemia	27	0.0	2.0	*	0.0	4.2	*	0.0	6.5	*
Stroke	35	22.9	21.9	*	31.4	28.0	*	34.3	32.6	*
Hip Fracture	34	2.9	6.9	*	11.8	12.1	*	14.7	15.5	*
Sepsis	11	18.2	25.9	*	18.2	32.0	*	27.3	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	6.3	*	0.0	11.5	*	14.3	15.6	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	53	3.8	2.7	2.5	7.5	4.9	4.0	9.4	6.4	6.6
Open Reduction of Hip Fracture	15	0.0	5.8	*	6.7	10.7	*	6.7	14.0	*
Prostatectomy	56	1.8	1.2	1.9	5.4	2.8	3.4	7.1	4.8	4.4
Cholecystectomy	27	0.0	2.0	*	0.0	3.3	*	0.0	4.1	*
Hysterectomy	8	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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360151
77.2

Doctors Hospital

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The 1989 mortality data that is to be released has been provided with a different reporting format. It is with appreciation that Doctors Hospital respects the effort to enhance the authenticity of the data by factoring more patient information into the calculation.

In the past, the reports provided an expected range which was perhaps more easily understood. When that methodology is applied, once again Doctors Hospital data falls well within the expected ranges. The information in this current study is also statistically favorable as it relates to Doctors Hospital. It is imperative however, that the reader understand that the figures reported in the observed and predicted columns can be the difference of only one or two patients per category because of statistical variances. It is also of utmost importance to realize that for the purpose of this study, a mortality 180 days (six months) after a procedure may well be unrelated to that particular hospitalization or procedure.

As we enjoy continued growth with new programs for the provision of acute medical care, the commitment to quality care in the existing programs is realized through the ongoing plan of review and assessment.

Doctors Hospital acknowledges the purpose of HCFA and continues to appreciate the opportunity to respond and interact with their reporting mechanism.

Respectfully,

Barbara Edwards

Barbara Edwards
Assistant Vice President
Resource Management

BE/llr

400 AUSTIN AVENUE N.W. • MASSILLON, OHIO 44646 • (216) 837-7200

DOCTORS HOSPITAL OF NELSONVILLE

West Franklin Street
Nelsonville, OH 45764

Medicare Provider Number: 360067

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	262	14.9	11.2	3.6	19.1	16.4	3.2	21.4	20.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	13	30.8	30.3	*	30.8	33.6	*	30.8	37.2	*
Congestive Heart Failure	27	18.5	18.0	*	37.0	27.5	*	40.7	35.1	*
Pneumonia/Influenza	11	9.1	13.4	*	18.2	18.5	*	18.2	22.6	*
Chronic Obstructive Pulmonary Disease	11	36.4	10.2	*	45.5	16.3	*	45.5	21.2	*
Transient Cerebral Ischemia	6	0.0	2.4	*	0.0	5.4	*	0.0	8.6	*
Stroke	8	25.0	19.9	*	25.0	28.1	*	37.5	33.5	*
Hip Fracture	9	11.1	5.9	*	11.1	10.4	*	11.1	13.3	*
Sepsis	4	0.0	24.8	*	0.0	31.4	*	0.0	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	7.9	*	40.0	14.0	*	40.0	18.1	*
Open Reduction of Hip Fracture	5	20.0	4.5	*	20.0	8.5	*	20.0	11.3	*
Prostatectomy	5	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	7	0.0	1.3	*	0.0	2.3	*	0.0	3.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	69
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	30
Percent of Physicians Board Certified Specialists	17
Medical Residents/Interns	11
Registered Nurses	26
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DOCTORS HOSPITAL OF NELSONVILLE

Medicare Provider Number: 360067

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	308	10.4	11.2	2.5	17.5	16.1	3.1	21.4	20.0	4.3
CONDITIONS:										
Acute Myocardial Infarction	14	42.9	34.8	*	42.9	38.0	*	42.9	41.6	*
Congestive Heart Failure	24	0.0	13.5	*	16.7	20.7	*	33.3	27.1	*
Pneumonia/Influenza	22	9.1	15.5	*	22.7	21.1	*	27.3	25.5	*
Chronic Obstructive Pulmonary Disease	13	15.4	8.4	*	38.5	14.6	*	38.5	20.0	*
Transient Cerebral Ischemia	4	0.0	2.1	*	0.0	4.7	*	0.0	7.5	*
Stroke	14	21.4	21.3	*	28.6	28.0	*	42.9	32.8	*
Hip Fracture	3	0.0	13.2	*	33.3	22.1	*	33.3	26.6	*
Sepsis	9	33.3	29.2	*	33.3	37.6	*	33.3	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.8	*	0.0	11.1	*	0.0	14.6	*
Open Reduction of Hip Fracture	1	0.0	17.0	*	100.0	30.8	*	100.0	38.0	*
Prostatectomy	5	0.0	2.0	*	0.0	4.8	*	0.0	7.7	*
Cholecystectomy	5	20.0	4.5	*	40.0	9.8	*	60.0	14.2	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	348	14.1	10.9	2.9	19.5	15.9	3.3	21.6	19.8	2.8
CONDITIONS:										
Acute Myocardial Infarction	16	37.5	31.4	*	43.8	34.2	*	50.0	37.4	*
Congestive Heart Failure	21	28.6	14.9	*	42.9	22.7	*	47.6	29.3	*
Pneumonia/Influenza	18	11.1	15.5	*	16.7	20.5	*	16.7	24.6	*
Chronic Obstructive Pulmonary Disease	20	15.0	13.2	*	25.0	21.4	*	25.0	27.4	*
Transient Cerebral Ischemia	9	0.0	2.1	*	0.0	4.7	*	0.0	7.7	*
Stroke	14	28.6	19.4	*	35.7	27.1	*	42.9	31.9	*
Hip Fracture	5	0.0	4.4	*	0.0	8.1	*	0.0	10.7	*
Sepsis	3	33.3	45.5	*	33.3	51.9	*	33.3	56.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.1	*	0.0	6.0	*	0.0	8.0	*
Open Reduction of Hip Fracture	2	0.0	4.1	*	0.0	7.7	*	0.0	10.3	*
Prostatectomy	1	0.0	5.7	*	0.0	13.2	*	0.0	19.5	*
Cholecystectomy	7	0.0	2.0	*	0.0	3.1	*	0.0	3.7	*
Hysterectomy	1	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DUNLAP MEMORIAL HOSPITAL

832 South Main Street
Orrville, OH 44667

Medicare Provider Number: 360034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	263	11.4	7.7	2.0	15.6	11.6	2.4	19.4	14.9	2.9
CONDITIONS:										
Acute Myocardial Infarction	10	20.0	24.9	*	30.0	29.3	*	30.0	33.2	*
Congestive Heart Failure	16	37.5	16.0	*	43.8	23.9	*	50.0	30.4	*
Pneumonia/Influenza	17	23.5	13.7	*	23.5	18.5	*	23.5	22.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	4.1	*	0.0	7.5	*	0.0	10.6	*
Transient Cerebral Ischemia	9	0.0	1.7	*	0.0	3.8	*	11.1	6.2	*
Stroke	8	25.0	19.0	*	25.0	26.1	*	37.5	31.0	*
Hip Fracture	15	0.0	5.9	*	6.7	11.0	*	13.3	14.8	*
Sepsis	4	75.0	42.1	*	75.0	48.9	*	100.0	56.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.7	*	0.0	6.8	*	0.0	8.9	*
Open Reduction of Hip Fracture	11	0.0	5.8	*	9.1	11.5	*	18.2	15.8	*
Prostatectomy	11	0.0	0.7	*	0.0	1.9	*	0.0	3.4	*
Cholecystectomy	9	0.0	1.1	*	0.0	2.0	*	0.0	2.6	*
Hysterectomy	3	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 35
Occupancy Rate 40
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 25
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns 0
Registered Nurses 31
Licensed Practical Nurses 23

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DUNLAP MEMORIAL HOSPITAL

Medicare Provider Number: 360034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	294	11.6	7.4	2.3	15.6	10.9	2.7	16.7	14.0	2.9
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	26.4	*	36.4	29.6	*	36.4	32.9	*
Congestive Heart Failure	23	30.4	16.0	*	39.1	24.9	*	52.2	32.3	*
Pneumonia/Influenza	25	16.0	14.5	*	16.0	20.2	*	20.0	25.0	*
Chronic Obstructive Pulmonary Disease	3	0.0	3.0	*	0.0	5.9	*	0.0	6.6	*
Transient Cerebral Ischemia	3	0.0	1.5	*	0.0	3.1	*	0.0	4.9	*
Stroke	10	10.0	16.1	*	20.0	22.4	*	20.0	26.9	*
Hip Fracture	11	27.3	5.1	*	27.3	9.6	*	27.3	13.0	*
Sepsis	1	0.0	24.3	*	0.0	29.1	*	0.0	35.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	50.0	3.9	*	50.0	6.1	*	50.0	11.4	*
Open Reduction of Hip Fracture	6	0.0	3.6	*	0.0	7.3	*	0.0	10.1	*
Prostatectomy	5	0.0	0.3	*	0.0	0.6	*	0.0	1.4	*
Cholecystectomy	11	0.0	1.0	*	9.1	1.8	*	9.1	2.4	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	302	10.9	6.3	2.6	15.6	12.4	3.3	17.9	15.7	3.9
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	20.5	*	26.6	23.4	*	26.6	26.4	*
Congestive Heart Failure	27	11.1	15.0	*	29.6	23.3	*	44.4	30.0	*
Pneumonia/Influenza	18	16.7	14.7	*	36.9	20.0	*	38.9	24.4	*
Chronic Obstructive Pulmonary Disease	2	0.0	5.9	*	0.0	10.0	*	0.0	13.1	*
Transient Cerebral Ischemia	3	0.0	1.6	*	33.3	4.2	*	33.3	6.6	*
Stroke	13	15.4	22.9	*	23.1	29.6	*	23.1	34.6	*
Hip Fracture	12	0.0	5.2	*	0.0	9.8	*	0.0	12.9	*
Sepsis	1	0.0	15.1	*	0.0	20.7	*	0.0	25.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.2	*	0.0	6.5	*	0.0	8.9	*
Open Reduction of Hip Fracture	5	0.0	5.4	*	0.0	10.0	*	0.0	12.9	*
Prostatectomy	4	0.0	0.9	*	0.0	2.3	*	0.0	4.0	*
Cholecystectomy	10	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

EAST LIVERPOOL CITY HOSPITAL

425 W 5th Street
East Liverpool, OH 43920

Medicare Provider Number: 360096

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,305	10.3	10.2	0.8	14.4	15.1	1.2	18.3	19.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	56	30.4	24.2	8.5	32.1	28.0	7.5	35.7	31.5	7.2
Congestive Heart Failure	99	13.1	15.2	4.1	18.2	23.3	5.5	29.3	30.1	4.6
Pneumonia/Influenza	42	7.1	16.1	*	16.7	21.6	*	19.0	26.0	*
Chronic Obstructive Pulmonary Disease	38	0.0	6.1	*	5.3	11.5	*	10.5	16.4	*
Transient Cerebral Ischemia	44	2.3	1.9	*	4.5	4.3	*	6.8	6.9	*
Stroke	53	15.1	20.9	9.1	22.6	27.2	9.0	22.6	31.6	10.0
Hip Fracture	28	7.1	7.4	*	10.7	13.0	*	14.3	16.5	*
Sepsis	20	45.0	24.7	*	45.0	30.9	*	45.0	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	40.0	5.3	*	40.0	8.9	*	40.0	12.6	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
Hip Replacement/Reconstruction	7	0.0	7.7	*	14.3	13.8	*	14.3	17.6	*
Open Reduction of Hip Fracture	18	11.1	5.8	*	11.1	10.9	*	11.1	14.3	*
Prostatectomy	30	0.0	0.7	*	0.0	1.8	*	0.0	3.0	*
Cholecystectomy	18	11.1	3.8	*	11.1	7.2	*	22.2	9.7	*
Hysterectomy	4	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 236
Occupancy Rate 41
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 62
Percent of Physicians Board Certified Specialists 47
Medical Residents/Interns 0
Registered Nurses 131
Licensed Practical Nurses 3

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

EAST LIVERPOOL CITY HOSPITAL

Medicare Provider Number: 360096

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,346	10.5	10.0	1.3	15.5	14.8	1.6	18.1	18.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	48	29.2	27.9	*	31.2	30.8	*	31.2	34.1	*
Congestive Heart Failure	113	15.0	15.8	4.3	23.9	23.9	5.4	30.1	30.6	4.5
Pneumonia/Influenza	54	11.1	16.5	8.2	22.2	22.1	6.3	25.9	26.4	6.0
Chronic Obstructive Pulmonary Disease	36	2.8	5.1	*	8.3	9.8	*	13.9	14.1	*
Transient Cerebral Ischemia	32	3.1	2.1	*	3.1	4.6	*	12.5	7.2	*
Stroke	66	27.3	22.3	6.3	30.3	29.0	5.7	31.8	33.8	6.5
Hip Fracture	21	4.8	7.1	*	4.8	12.3	*	4.8	15.5	*
Sepsis	9	11.1	28.8	*	22.2	33.9	*	22.2	38.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	8.1	*	0.0	12.8	*	0.0	17.0	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.8	*	0.0	4.3	*
Hip Replacement/Reconstruction	7	14.3	4.8	*	14.3	9.0	*	14.3	11.7	*
Open Reduction of Hip Fracture	14	7.1	6.4	*	7.1	11.5	*	7.1	14.6	*
Prostatectomy	35	5.7	0.8	*	8.6	1.8	*	11.4	3.0	*
Cholecystectomy	18	0.0	1.9	*	5.6	3.5	*	5.6	4.6	*
Hysterectomy	4	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,355	11.4	11.3	1.2	16.5	16.1	2.0	19.3	20.0	2.2
CONDITIONS:										
Acute Myocardial Infarction	59	27.1	31.2	6.7	42.4	34.2	9.9	42.4	37.6	7.9
Congestive Heart Failure	93	11.8	18.5	6.5	21.5	27.3	6.7	28.0	34.4	7.2
Pneumonia/Influenza	52	21.2	17.4	6.8	23.1	23.0	6.6	28.8	27.5	6.5
Chronic Obstructive Pulmonary Disease	29	10.3	5.9	*	20.7	11.3	*	20.7	15.9	*
Transient Cerebral Ischemia	39	0.0	2.4	*	2.6	5.4	*	2.6	8.6	*
Stroke	63	25.4	26.0	5.6	31.7	32.3	6.3	34.9	37.0	6.4
Hip Fracture	32	9.4	6.6	*	15.6	11.9	*	18.8	15.3	*
Sepsis	8	37.5	35.5	*	50.0	45.3	*	62.5	52.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	3.4	*	5.9	6.6	*	5.9	9.4	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	3.5	*	0.0	5.2	*
Hip Replacement/Reconstruction	14	0.0	4.9	*	0.0	9.0	*	0.0	11.6	*
Open Reduction of Hip Fracture	15	13.3	6.4	*	26.7	12.1	*	33.3	16.0	*
Prostatectomy	41	2.4	1.1	*	7.3	2.7	*	9.8	4.5	*
Choiecystectomy	20	10.0	4.2	*	15.0	6.9	*	20.0	8.5	*
Hysterectomy	5	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

EAST OHIO REGIONAL HOSPITAL

90 North 4th St
Martins Ferry, OH 43935

Medicare Provider Number: 360080

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,108	9.0	10.0	1.4	14.3	14.8	1.4	18.1	18.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	48	29.2	30.9	*	33.3	34.5	*	33.3	37.7	*
Congestive Heart Failure	70	15.7	14.3	4.4	24.3	21.9	5.9	28.6	28.3	5.4
Pneumonia/Influenza	95	15.8	16.3	3.8	26.3	22.6	4.9	33.7	27.4	6.8
Chronic Obstructive Pulmonary Disease	24	0.0	5.4	*	0.0	10.0	*	4.2	14.0	*
Transient Cerebral Ischemia	20	10.0	2.0	*	15.0	4.5	*	15.0	7.1	*
Stroke	60	20.0	19.9	6.3	26.7	26.2	5.9	31.7	30.4	6.3
Hip Fracture	25	8.0	7.3	*	24.0	12.8	*	28.0	16.3	*
Sepsis	17	29.4	28.5	*	41.2	39.4	*	41.2	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.4	*	0.0	4.4	*	0.0	6.4	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	11	0.0	3.9	*	18.2	7.2	*	18.2	9.6	*
Open Reduction of Hip Fracture	15	13.3	7.6	*	26.7	13.9	*	33.3	18.0	*
Prostatectomy	41	0.0	1.0	*	2.4	2.5	*	4.9	4.1	*
Cholecystectomy	12	0.0	1.7	*	0.0	2.8	*	0.0	3.6	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 187
Occupancy Rate 82
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 61
Percent of Physicians Board Certified Specialists 69
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hoapital mortality rates.**

EAST OHIO REGIONAL HOSPITAL

Medicare Provider Number: 360080

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,125	8.9	9.4	1.2	12.7	14.1	1.6	15.4	17.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	35	25.7	25.4	*	28.6	28.7	*	34.3	32.1	*
Congestive Heart Failure	69	14.5	15.1	4.7	23.2	23.0	8.7	23.2	29.6	9.2
Pneumonia/Influenza	63	22.2	15.9	6.4	25.4	22.2	5.8	27.0	26.9	5.6
Chronic Obstructive Pulmonary Disease	22	9.1	8.8	*	27.3	15.6	*	27.3	21.2	*
Transient Cerebral Ischemia	25	4.0	1.9	*	8.0	4.0	*	8.0	6.3	*
Stroke	45	20.0	20.2	*	24.4	27.6	*	33.3	32.3	*
Hip Fracture	24	4.2	5.4	*	4.2	9.8	*	8.3	12.7	*
Sepsis	21	19.0	23.1	*	23.8	31.9	*	23.8	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	7.9	*	25.0	10.3	*	25.0	12.7	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	9	11.1	4.4	*	11.1	8.2	*	11.1	10.6	*
Open Reduction of Hip Fracture	13	0.0	4.3	*	0.0	8.2	*	0.0	10.9	*
Prostatectomy	49	4.1	1.0	*	4.1	2.4	*	4.1	4.0	*
Cholecystectomy	23	0.0	2.0	*	0.0	3.4	*	0.0	4.3	*
Hysterectomy	7	0.0	1.2	*	0.0	2.7	*	0.0	4.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,122	10.0	9.8	0.9	16.0	14.9	1.3	19.4	18.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	40	37.5	29.6	*	47.5	33.1	*	47.5	36.5	*
Congestive Heart Failure	83	22.9	15.6	8.0	32.5	23.9	11.6	37.3	30.9	10.7
Pneumonia/Influenza	64	20.3	14.8	9.9	28.1	20.6	10.5	31.3	25.2	9.7
Chronic Obstructive Pulmonary Disease	23	13.0	8.2	*	21.7	14.1	*	21.7	19.0	*
Transient Cerebral Ischemia	38	2.6	1.9	*	2.6	4.1	*	7.9	6.4	*
Stroke	49	16.3	20.2	*	24.5	27.1	*	28.6	31.8	*
Hip Fracture	27	7.4	5.7	*	7.4	10.3	*	7.4	13.3	*
Sepsis	21	19.0	16.3	*	19.0	23.2	*	28.6	28.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.9	*	20.0	3.9	*	20.0	5.9	*
Carotid Endarterectomy	12	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	13	7.7	3.5	*	7.7	6.7	*	7.7	9.1	*
Open Reduction of Hip Fracture	16	6.3	5.8	*	6.3	10.7	*	6.3	14.0	*
Prostatectomy	37	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	22	0.0	2.4	*	0.0	4.3	*	0.0	5.9	*
Hysterectomy	4	0.0	1.2	*	0.0	2.6	*	0.0	4.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

EDWIN SHAW HOSPITAL

1621 Flickinger Road
Akron, OH 44312

Medicare Provider Number: 360241

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	27	0.0	0.8	*	3.7	2.0	*	3.7	3.7	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 188
Occupancy Rate 77
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 20
Percent of Physicians Board Certified Specialists 70
Medical Residents/Interns 0
Registered Nurses 52
Licensed Practical Nurses 10

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

EDWIN SHAW HOSPITAL

Medicare Provider Number: 360241

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ELYRIA MEMORIAL HOSPITAL

630 East River Street
Elyria, OH 44035

Medicare Provider Number: 360145

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,279	8.2	8.4	0.9	12.9	13.1	0.8	17.2	16.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	56	17.9	26.4	8.5	21.4	29.6	7.7	25.0	32.8	7.9
Congestive Heart Failure	155	14.8	15.3	4.1	21.3	23.8	5.8	28.4	30.7	5.9
Pneumonia/Influenza	99	19.2	16.1	6.8	27.3	22.1	6.8	29.3	26.7	6.1
Chronic Obstructive Pulmonary Disease	48	6.3	8.7	*	8.3	14.5	*	10.4	19.4	*
Transient Cerebral Ischemia	60	0.0	1.8	2.4	1.7	4.1	3.6	5.0	6.6	4.1
Stroke	79	12.7	17.9	7.3	22.8	24.6	8.5	25.3	29.0	7.2
Hip Fracture	52	1.9	5.8	4.5	5.8	10.6	6.3	11.5	14.0	5.8
Sepsis	17	17.6	32.1	*	17.6	39.9	*	17.6	45.4	*
PROCEDURES:										
Angioplasty	70	0.0	2.7	3.5	1.4	3.4	3.3	2.9	4.3	3.6
Coronary Artery Bypass Graft	35	2.9	4.7	*	14.3	6.4	*	14.3	7.5	*
Initial Pacemaker Insertion	14	7.1	4.3	*	7.1	7.3	*	7.1	10.0	*
Carotid Endarterectomy	35	5.7	1.3	*	11.4	2.5	*	17.1	3.6	*
Hip Replacement/Reconstruction	37	0.0	3.2	*	5.4	6.4	*	10.8	9.0	*
Open Reduction of Hip Fracture	29	3.4	5.1	*	3.4	9.9	*	6.9	13.3	*
Prostatectomy	53	0.0	0.9	1.7	0.0	2.1	3.6	3.8	3.5	3.4
Cholecystectomy	59	6.8	2.4	3.4	8.5	4.5	4.0	8.5	6.1	4.5
Hysterectomy	17	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	280
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	144
Percent of Physicians Board Certified Specialists	59
Medical Residents/Interns	0
Registered Nurses	258
Licensed Practical Nurses	93

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ELYRIA MEMORIAL HOSPITAL

Medicare Provider Number: 360145

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,385	7.8	8.7	0.8	11.4	13.3	0.9	14.8	18.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	85	25.9	28.4	6.2	28.2	31.5	5.5	29.4	34.9	8.0
Congestive Heart Failure	143	16.8	16.5	3.5	22.4	24.9	5.3	28.7	31.7	6.5
Pneumonia/Influenza	94	18.1	16.4	4.2	23.4	22.2	5.1	27.7	26.8	5.3
Chronic Obstructive Pulmonary Disease	38	2.6	7.6	*	10.5	13.5	*	15.8	18.3	*
Transient Cerebral Ischemia	82	1.2	2.1	1.8	3.7	4.5	3.4	3.7	7.1	4.8
Stroke	89	9.0	17.4	6.0	14.6	24.3	7.5	19.1	28.7	7.1
Hip Fracture	46	6.5	7.9	*	8.7	14.0	*	10.9	17.7	*
Sepsis	17	35.3	29.1	*	41.2	37.4	*	47.1	43.4	*
PROCEDURES:										
Angioplasty	52	3.8	5.0	3.4	3.8	5.8	3.7	3.8	6.9	4.3
Coronary Artery Bypass Graft	48	8.3	5.6	*	10.4	7.4	*	10.4	8.5	*
Initial Pacemaker Insertion	13	0.0	5.8	*	0.0	9.0	*	7.7	11.9	*
Carotid Endarterectomy	36	2.8	1.4	*	2.8	2.6	*	2.8	3.8	*
Hip Replacement/Reconstruction	32	0.0	3.4	*	3.1	6.3	*	3.1	8.2	*
Open Reduction of Hip Fracture	21	14.3	7.6	*	14.3	14.0	*	19.0	18.0	*
Prostatectomy	45	0.0	0.6	*	2.2	1.3	*	2.2	2.2	*
Cholecystectomy	43	2.3	3.1	*	9.3	5.7	*	11.6	7.3	*
Hysterectomy	17	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,364	8.7	9.1	0.7	13.6	13.8	0.8	17.2	17.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	80	28.7	29.1	5.2	33.7	32.1	5.3	33.7	35.4	5.5
Congestive Heart Failure	137	18.2	17.8	3.7	30.7	27.0	6.9	38.0	34.3	8.0
Pneumonia/Influenza	90	13.3	16.1	4.4	24.4	21.7	4.6	27.8	26.1	4.7
Chronic Obstructive Pulmonary Disease	49	10.2	11.0	*	14.3	18.0	*	26.5	23.4	*
Transient Cerebral Ischemia	49	0.0	2.4	*	4.1	5.3	*	10.2	8.5	*
Stroke	92	22.8	21.7	4.6	27.2	29.0	5.1	30.4	33.5	5.6
Hip Fracture	50	6.0	7.3	*	12.0	13.1	*	12.0	17.0	*
Sepsis	18	33.3	36.9	*	44.4	45.0	*	44.4	51.3	*
PROCEDURES:										
Angioplasty	27	3.7	6.0	*	3.7	6.8	*	3.7	7.8	*
Coronary Artery Bypass Graft	29	13.8	5.2	*	13.8	6.9	*	13.8	7.8	*
Initial Pacemaker Insertion	35	2.9	4.1	*	8.6	8.0	*	8.6	11.5	*
Carotid Endarterectomy	31	0.0	1.6	*	3.2	3.0	*	3.2	4.3	*
Hip Replacement/Reconstruction	35	0.0	5.3	*	8.6	9.7	*	8.6	12.5	*
Open Reduction of Hip Fracture	15	6.7	5.5	*	13.3	11.1	*	13.3	15.0	*
Prostatectomy	53	0.0	0.9	2.7	1.9	2.2	2.4	3.8	3.7	2.6
Cholecystectomy	47	4.3	3.0	*	4.3	5.3	*	6.4	6.9	*
Hysterectomy	11	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

EUCLID GENERAL HOSPITAL

East 185th Street Lake Erie
Euclid, OH 44117

Medicare Provider Number: 360082

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,534	11.4	11.2	0.7	17.6	16.5	1.1	21.0	20.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	96	27.1	31.9	10.1	28.1	34.6	9.5	32.3	37.7	8.8
Congestive Heart Failure	166	20.5	17.0	3.7	32.5	25.9	5.5	40.4	32.9	6.1
Pneumonia/Influenza	79	19.0	19.2	4.8	25.3	25.4	5.1	29.1	30.0	5.6
Chronic Obstructive Pulmonary Disease	58	10.3	10.5	4.2	15.5	16.9	5.0	19.0	22.2	7.1
Transient Cerebral Ischemia	51	2.0	1.9	2.1	3.9	4.4	4.3	7.8	7.1	6.0
Stroke	148	16.2	21.1	5.4	23.0	28.0	4.9	27.0	32.4	4.9
Hip Fracture	67	11.9	7.6	6.2	16.4	13.1	5.6	17.9	16.6	4.9
Sepsis	29	31.0	33.5	*	37.9	39.9	*	44.8	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	3.0	*	0.0	6.2	*	9.5	9.4	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	47	4.3	3.7	*	8.5	6.6	*	8.5	8.7	*
Open Reduction of Hip Fracture	40	10.0	6.6	*	12.5	11.9	*	15.0	15.2	*
Prostatectomy	72	0.0	1.2	1.6	1.4	2.8	2.3	2.8	4.6	2.9
Cholecystectomy	50	6.0	2.9	*	8.0	4.9	*	10.0	6.2	*
Hysterectomy	25	0.0	0.9	*	4.0	2.0	*	4.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 329
Occupancy Rate 50
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 193
Percent of Physicians Board Certified Specialists 91
Medical Residents/Interns 0
Registered Nurses 225
Licensed Practical Nurses 105

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

EUCLID GENERAL HOSPITAL

Medicare Provider Number: 360082

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,555	10.4	11.4	0.9	16.5	16.7	0.9	20.4	20.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	90	23.3	31.8	8.5	28.9	34.8	8.6	31.1	38.2	7.8
Congestive Heart Failure	182	16.5	17.0	3.7	26.4	25.3	3.3	32.4	32.0	3.9
Pneumonia/Influenza	84	22.6	20.6	8.9	34.5	27.1	10.7	38.1	32.1	11.6
Chronic Obstructive Pulmonary Disease	42	9.5	12.5	*	14.3	20.0	*	31.0	25.8	*
Transient Cerebral Ischemia	40	0.0	1.8	*	2.5	3.8	*	5.0	5.9	*
Stroke	139	15.1	21.6	5.5	23.7	28.4	5.4	26.6	33.0	6.5
Hip Fracture	60	0.0	7.4	7.7	3.3	12.9	9.1	6.7	16.2	8.4
Sepsis	22	36.4	40.7	*	54.5	49.0	*	63.6	55.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	5.0	*	6.7	8.4	*	6.7	11.4	*
Carotid Endarterectomy	11	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	40	0.0	3.8	*	5.0	7.1	*	7.5	9.1	*
Open Reduction of Hip Fracture	29	0.0	6.4	*	0.0	11.3	*	0.0	14.3	*
Prostatectomy	83	0.0	1.2	1.6	1.2	2.8	2.9	2.4	4.5	3.9
Cholecystectomy	56	7.1	6.1	3.7	14.3	10.7	6.0	14.3	13.7	4.7
Hysterectomy	21	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,589	9.5	11.0	1.0	15.5	16.1	1.0	18.7	20.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	91	27.5	32.8	6.2	29.7	35.7	6.1	30.8	38.8	6.9
Congestive Heart Failure	172	15.1	19.0	4.5	29.7	28.0	3.7	36.0	35.2	4.3
Pneumonia/Influenza	63	28.6	20.5	9.4	36.5	27.3	9.6	38.1	32.5	8.7
Chronic Obstructive Pulmonary Disease	57	14.0	14.1	5.3	29.8	22.6	7.8	36.8	28.6	8.8
Transient Cerebral Ischemia	41	0.0	2.4	*	4.9	5.3	*	4.9	8.4	*
Stroke	128	12.5	25.1	5.4	18.8	32.1	6.2	22.7	36.7	6.1
Hip Fracture	61	3.3	8.5	6.3	11.5	14.6	8.4	13.1	18.1	9.1
Sepsis	14	21.4	42.4	*	28.6	50.1	*	35.7	56.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	2.8	*	0.0	5.8	*	0.0	8.8	*
Carotid Endarterectomy	26	0.0	1.9	*	0.0	3.6	*	3.8	5.1	*
Hip Replacement/Reconstruction	32	3.1	4.9	*	6.3	9.0	*	6.3	11.6	*
Open Reduction of Hip Fracture	41	2.4	7.7	*	9.8	13.9	*	12.2	17.5	*
Prostatectomy	94	0.0	1.4	1.8	2.1	3.2	2.0	4.3	5.1	2.5
Cholecystectomy	64	4.7	4.5	2.7	7.8	7.6	3.5	9.4	9.5	3.7
Hysterectomy	34	0.0	1.9	*	0.0	2.8	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FAIRVIEW GENERAL HOSPITAL

18101 Lorain Ave
Cleveland, OH 44111

Medicare Provider Number: 360077

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,429	9.1	9.9	0.6	14.2	15.1	0.9	17.9	19.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	114	21.1	25.4	7.5	24.6	28.2	8.1	27.2	31.3	8.1
Congestive Heart Failure	227	17.2	15.0	4.5	25.1	23.1	4.1	32.6	29.8	4.9
Pneumonia/Influenza	127	10.2	18.3	4.9	15.0	24.6	6.0	18.9	29.5	5.9
Chronic Obstructive Pulmonary Disease	64	10.9	9.5	4.3	14.1	16.2	6.0	15.6	21.9	8.6
Transient Cerebral Ischemia	62	3.2	1.9	2.8	3.2	4.3	2.9	6.5	6.9	3.2
Stroke	133	15.8	21.4	4.5	27.8	28.1	5.6	33.1	32.6	4.1
Hip Fracture	75	2.7	8.5	4.4	5.3	15.1	6.4	12.0	19.3	6.5
Sepsis	34	23.5	24.9	*	29.4	33.0	*	35.3	38.5	*
PROCEDURES:										
Angioplasty	59	1.7	4.4	3.6	5.1	5.2	3.3	6.8	6.2	3.2
Coronary Artery Bypass Graft	48	6.3	5.4	*	8.3	7.7	*	8.3	9.4	*
Initial Pacemaker Insertion	32	3.1	2.2	*	3.1	4.8	*	3.1	7.6	*
Carotid Endarterectomy	39	2.6	1.6	*	2.6	3.0	*	5.1	4.3	*
Hip Replacement/Reconstruction	50	0.0	4.5	*	0.0	8.4	*	2.0	10.9	*
Open Reduction of Hip Fracture	42	2.4	7.3	*	4.8	13.5	*	11.9	17.5	*
Prostatectomy	98	2.0	1.0	1.7	2.0	2.4	1.8	2.0	4.1	2.7
Cholecystectomy	73	4.1	3.4	3.0	6.8	6.0	3.5	8.2	7.6	3.2
Hysterectomy	24	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	453
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	205
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	41
Registered Nurses	580
Licensed Practical Nurses	94

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FAIRVIEW GENERAL HOSPITAL

Medicare Provider Number: 360077

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,455	8.7	10.1	0.7	13.8	15.3	0.8	17.4	19.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	92	28.3	27.3	6.3	32.6	30.4	5.3	32.6	33.7	5.1
Congestive Heart Failure	248	19.0	17.0	3.4	28.6	25.6	4.6	34.7	32.7	3.4
Pneumonia/Influenza	106	11.3	19.1	5.8	17.9	25.1	6.8	22.6	29.8	6.1
Chronic Obstructive Pulmonary Disease	59	11.9	13.0	6.5	16.9	21.5	8.7	22.0	27.8	10.5
Transient Cerebral Ischemia	70	0.0	1.9	2.6	2.9	4.1	2.8	5.7	6.5	3.4
Stroke	157	24.8	23.5	3.5	32.5	29.9	4.0	34.4	34.4	3.8
Hip Fracture	71	4.2	8.1	5.2	11.3	14.0	5.9	15.5	17.5	5.2
Sepsis	31	16.1	23.3	*	22.6	29.8	*	25.8	35.0	*
PROCEDURES:										
Angioplasty	57	5.3	4.0	3.3	8.8	5.3	4.0	8.8	6.6	4.5
Coronary Artery Bypass Graft	57	3.5	6.3	4.5	5.3	8.4	5.8	5.3	9.7	5.8
Initial Pacemaker Insertion	35	2.9	7.2	*	11.4	11.0	*	11.4	14.3	*
Carotid Endarterectomy	28	0.0	1.9	*	7.1	3.4	*	10.7	5.0	*
Hip Replacement/Reconstruction	61	3.3	4.2	2.8	9.8	7.7	4.3	13.1	9.8	7.3
Open Reduction of Hip Fracture	37	0.0	7.4	*	2.7	13.2	*	5.4	16.7	*
Prostatectomy	125	1.6	1.4	1.4	6.4	3.2	2.1	8.8	5.1	2.9
Cholecystectomy	60	0.0	3.2	3.7	1.7	5.9	5.4	3.3	7.6	6.1
Hysterectomy	23	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,554	9.2	10.0	0.6	14.1	14.9	0.7	17.3	18.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	112	40.2	32.2	7.2	44.6	35.3	7.5	47.3	38.5	8.2
Congestive Heart Failure	222	15.8	17.8	2.9	25.2	26.7	3.7	29.3	33.9	5.1
Pneumonia/Influenza	124	16.1	20.4	6.0	21.8	26.7	7.5	26.6	31.5	7.5
Chronic Obstructive Pulmonary Disease	69	5.8	13.6	5.8	10.1	21.9	8.0	17.4	28.2	8.9
Transient Cerebral Ischemia	72	4.2	2.6	2.5	8.3	5.5	4.2	11.1	8.6	5.3
Stroke	141	21.3	22.8	4.1	30.5	30.3	3.9	33.3	35.0	4.6
Hip Fracture	81	6.2	8.2	3.5	12.3	13.8	4.7	13.6	17.1	6.8
Sepsis	38	42.1	32.8	*	52.6	41.8	*	52.6	48.5	*
PROCEDURES:										
Angioplasty	53	7.5	6.1	3.5	9.4	7.5	4.2	11.3	9.1	5.4
Coronary Artery Bypass Graft	30	3.3	5.3	*	3.3	7.0	*	3.3	8.1	*
Initial Pacemaker Insertion	40	12.5	4.7	*	17.5	8.4	*	17.5	11.3	*
Carotid Endarterectomy	27	3.7	1.7	*	3.7	3.2	*	3.7	4.5	*
Hip Replacement/Reconstruction	53	3.8	3.8	3.7	7.5	7.0	4.0	9.4	9.1	4.6
Open Reduction of Hip Fracture	50	6.0	7.5	*	10.0	13.3	*	10.0	16.7	*
Prostatectomy	124	0.8	1.2	1.3	4.8	2.8	2.3	6.5	4.7	3.6
Cholecystectomy	83	4.8	3.1	2.5	4.8	5.5	2.6	6.0	7.0	3.0
Hysterectomy	29	0.0	0.9	*	0.0	1.8	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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FAIRVIEW GENERAL HOSPITAL
PROVIDING A CIRCLE OF CARE

18101 Lorain Avenue
Cleveland, Ohio 44111-5656
(216) 476-7020

Office of the Vice President and
Chief Operating Officer

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

In reviewing the three years of mortality information presented, it is noted that there is a decline in mortalities at Fairview General Hospital from 1987 to 1989. Fairview already operates a very extensive and sophisticated quality assurance program which reviews all patient care activity. An integral component of our system includes the review of all mortalities for the appropriateness of care during the hospital stay. This review process allows Fairview and its medical staff to continually monitor the patient care provided and to make improvements where appropriate.

We disagree with the methodology that incorporates the use of "death within 30, 90 and 180 days from admission" in the calculation of mortality rates. We recommend that any death included in the statistics which occurs subsequent to discharge from the hospital be restricted to those cases where the cause of death is directly related to the diagnosis of the last hospitalization. Also, the adjustment system does not provide for the increasing number of cases involving a terminal illness where the patient and/or family refuses additional medical treatment.

The sophistication of the statistical methodology utilized this year by HCFA to compile Medicare mortality rates is complex. As such, the lengthy document that accompanied the statistical report was useful in the interpretation of the data. It is hoped that when this data is released to the public similar explanatory information will be available to assist in the interpretation of the data.

Thank you for allowing Fairview General Hospital to comment on this data prior to public release.

Sincerely,

Kenneth T. Misener

KTM/nm

FAYETTE COUNTY MEMORIAL HOSPITAL

1430 Columbus Rd
Washington Court House, OH

Medicare Provider Number: 360177

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	630	15.7	9.3	1.3	21.4	13.9	1.6	25.1	17.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	29	31.0	30.9	*	34.5	34.5	*	37.9	37.9	*
Congestive Heart Failure	50	26.0	14.6	*	44.0	23.1	*	54.0	30.1	*
Pneumonia/Influenza	57	31.6	17.2	9.2	36.8	23.3	9.3	38.6	27.9	8.3
Chronic Obstructive Pulmonary Disease	6	33.3	7.2	*	33.3	15.7	*	33.3	22.8	*
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke	26	26.9	19.9	*	38.5	26.1	*	42.3	30.5	*
Hip Fracture	8	0.0	4.8	*	12.5	8.8	*	12.5	11.8	*
Sepsis	7	71.4	31.1	*	71.4	42.0	*	71.4	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	8	0.0	4.2	*	12.5	8.1	*	12.5	11.0	*
Prostatectomy	6	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*
Cholecystectomy	18	0.0	1.5	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	2	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 63
Occupancy Rate 44
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 16
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 0
Registered Nurses 27
Licensed Practical Nurses 35

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FAYETTE COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 360177

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	707	14.1	10.0	1.5	20.4	14.5	2.0	24.5	18.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	32.6	*	35.7	36.1	*	39.3	39.6	*
Congestive Heart Failure	66	15.2	16.1	5.1	22.7	24.6	5.4	34.8	31.4	5.9
Pneumonia/Influenza	44	27.3	17.4	*	27.3	23.3	*	31.8	28.0	*
Chronic Obstructive Pulmonary Disease	9	33.3	13.6	*	66.7	22.8	*	66.7	29.4	*
Transient Cerebral Ischemia	14	0.0	2.0	*	0.0	4.2	*	7.1	6.4	*
Stroke	32	28.1	22.5	*	46.9	28.5	*	50.0	33.0	*
Hip Fracture	9	0.0	8.0	*	22.2	14.0	*	33.3	17.4	*
Sepsis	16	50.0	26.5	*	56.3	34.6	*	56.3	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	6.2	*	0.0	10.7	*	0.0	14.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	9	0.0	6.9	*	22.2	12.7	*	33.3	16.2	*
Prostatectomy	13	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	14	0.0	1.6	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	7	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	674	11.6	8.5	1.5	17.1	12.9	1.9	20.5	16.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	22	45.5	27.6	*	45.5	31.0	*	45.5	34.0	*
Congestive Heart Failure	50	20.0	16.2	*	28.0	23.9	*	32.0	30.3	*
Pneumonia/Influenza	31	32.3	15.6	*	38.7	20.9	*	41.9	25.3	*
Chronic Obstructive Pulmonary Disease	4	25.0	10.1	*	25.0	19.1	*	25.0	26.2	*
Transient Cerebral Ischemia	16	6.3	1.8	*	6.3	3.8	*	12.5	5.9	*
Stroke	21	19.0	18.0	*	19.0	23.8	*	19.0	28.1	*
Hip Fracture	28	3.6	6.3	*	7.1	11.4	*	7.1	14.8	*
Sepsis	8	37.5	24.4	*	37.5	33.6	*	37.5	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	2.0	*	33.3	5.1	*	33.3	8.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	4.8	*	0.0	9.4	*	0.0	12.8	*
Open Reduction of Hip Fracture	18	0.0	5.9	*	5.6	11.1	*	5.6	14.6	*
Prostatectomy	15	0.0	0.6	*	0.0	1.5	*	0.0	2.7	*
Cholecystectomy	12	0.0	2.1	*	0.0	3.6	*	0.0	4.4	*
Hysterectomy	3	0.0	0.0	*	0.0	0.1	*	0.0	0.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FIRELANDS COMMUNITY HOSPITAL

1101 Decator St
Sandusky, OH 44870

Medicare Provider Number: 360025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,182	8.2	7.4	0.9	11.8	11.9	1.0	16.2	15.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	25.5	*	23.8	28.3	*	28.6	31.2	*
Congestive Heart Failure	58	17.2	15.0	6.1	25.9	23.9	7.0	39.7	30.9	8.9
Pneumonia/Influenza	70	11.4	14.6	4.6	12.9	20.2	6.2	21.4	24.6	5.4
Chronic Obstructive Pulmonary Disease	32	9.4	8.3	*	15.6	13.7	*	21.9	18.3	*
Transient Cerebral Ischemia	18	5.6	2.0	*	5.6	4.4	*	5.6	7.0	*
Stroke	36	11.1	16.3	*	16.7	22.8	*	19.4	27.0	*
Hip Fracture	17	17.6	5.8	*	17.6	10.9	*	23.5	14.4	*
Sepsis	7	0.0	19.2	*	0.0	25.7	*	14.3	30.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.7	*	0.0	3.7	*	20.0	5.7	*
Carotid Endarterectomy	16	0.0	1.1	*	12.5	1.9	*	12.5	2.9	*
Hip Replacement/Reconstruction	10	10.0	2.8	*	10.0	5.8	*	10.0	8.3	*
Open Reduction of Hip Fracture	8	0.0	4.6	*	0.0	8.9	*	0.0	12.1	*
Prostatectomy	39	0.0	0.4	*	0.0	1.0	*	0.0	1.8	*
Cholecystectomy	27	3.7	1.6	*	3.7	3.2	*	3.7	4.5	*
Hysterectomy	6	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 183
Occupancy Rate 56
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 115
Percent of Physicians Board Certified Specialists 62
Medical Residents/Interns 8
Registered Nurses 142
Licensed Practical Nurses 106

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FIRELANDS COMMUNITY HOSPITAL

Medicare Provider Number: 360025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,234	9.1	7.8	1.1	12.6	12.3	1.1	15.7	16.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	26.1	*	36.8	30.5	*	36.8	34.1	*
Congestive Heart Failure	67	11.9	16.1	7.0	17.9	24.6	7.1	20.9	31.8	8.7
Pneumonia/Influenza	55	14.5	15.0	4.8	16.4	20.7	6.2	20.0	25.3	6.9
Chronic Obstructive Pulmonary Disease	31	6.5	6.5	*	6.5	11.0	*	6.5	14.7	*
Transient Cerebral Ischemia	22	0.0	1.8	*	0.0	4.2	*	9.1	6.7	*
Stroke	33	18.2	23.0	*	21.2	29.9	*	27.3	34.6	*
Hip Fracture	14	0.0	5.3	*	0.0	10.2	*	7.1	13.5	*
Sepsis	12	41.7	28.5	*	58.3	36.4	*	58.3	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.6	*	0.0	5.6	*	0.0	8.6	*
Carotid Endarterectomy	11	0.0	1.8	*	0.0	3.7	*	0.0	5.6	*
Hip Replacement/Reconstruction	14	0.0	4.6	*	0.0	9.5	*	7.1	13.3	*
Open Reduction of Hip Fracture	4	0.0	3.2	*	0.0	6.6	*	0.0	9.2	*
Prostatectomy	66	0.0	0.6	1.1	0.0	1.5	2.0	1.5	2.6	2.4
Cholecystectomy	21	0.0	2.1	*	9.5	3.9	*	9.5	5.2	*
Hysterectomy	7	0.0	0.6	*	0.0	1.4	*	14.3	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,242	9.6	7.7	1.1	14.8	12.1	1.2	18.2	15.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	36	44.4	27.7	*	44.4	31.6	*	44.4	35.1	*
Congestive Heart Failure	52	25.0	15.9	7.5	34.6	24.0	7.8	34.6	30.7	6.8
Pneumonia/Influenza	38	7.9	13.6	*	18.4	18.8	*	23.7	23.0	*
Chronic Obstructive Pulmonary Disease	26	7.7	9.2	*	26.9	15.7	*	30.8	20.8	*
Transient Cerebral Ischemia	17	5.9	1.6	*	11.8	3.4	*	11.8	5.4	*
Stroke	36	19.4	22.2	*	27.8	28.9	*	30.6	33.2	*
Hip Fracture	24	4.2	5.5	*	8.3	10.2	*	8.3	13.4	*
Sepsis	11	27.3	27.9	*	36.4	34.9	*	54.5	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Carotid Endarterectomy	14	0.0	1.5	*	7.1	3.0	*	7.1	4.5	*
Hip Replacement/Reconstruction	5	0.0	2.6	*	0.0	5.2	*	0.0	7.1	*
Open Reduction of Hip Fracture	15	6.7	5.0	*	13.3	9.7	*	13.3	12.9	*
Prostatectomy	43	4.7	0.7	*	4.7	1.7	*	4.7	3.0	*
Cholecystectomy	25	0.0	1.9	*	4.0	3.5	*	4.0	4.7	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FIRELANDS COMMUNITY HOSPITAL

2020 Hayes Ave
Sandusky, OH 44870

Medicare Provider Number: 360120

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	11	0.0	0.5	*	0.0	1.3	*	0.0	2.4	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	39
Occupancy Rate	41
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	115
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	0
Registered Nurses	0
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FIRELANDS COMMUNITY HOSPITAL

Medicare Provider Number: 360120

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10	0.0	0.9	*	0.0	1.8	*	0.0	2.9	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	18	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FISHER TITUS MEMORIAL HOSPITAL

272 Benedict Ave
Norwalk, OH 44857

Medicare Provider Number: 360065

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	877	8.2	8.1	1.5	12.9	12.3	1.7	16.9	15.7	1.9
CONDITIONS:										
Acute Myocardial Infarction	27	14.8	21.7	*	18.5	24.5	*	22.2	27.5	*
Congestive Heart Failure	58	22.4	15.4	6.6	27.6	24.2	6.2	36.2	31.2	6.6
Pneumonia/Influenza	35	11.4	18.5	*	20.0	25.2	*	20.0	30.3	*
Chronic Obstructive Pulmonary Disease	18	0.0	5.7	*	5.6	11.4	*	5.6	16.7	*
Transient Cerebral Ischemia	9	0.0	2.0	*	0.0	4.3	*	0.0	6.9	*
Stroke	30	26.7	17.9	*	40.0	24.4	*	43.3	28.7	*
Hip Fracture	19	15.8	7.0	*	15.8	12.4	*	42.1	15.8	*
Sepsis	10	0.0	23.1	*	0.0	29.8	*	0.0	35.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.6	*	10.0	8.8	*	10.0	12.2	*
Carotid Endarterectomy	17	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	16	12.5	4.1	*	12.5	7.0	*	31.3	9.0	*
Open Reduction of Hip Fracture	5	20.0	5.6	*	20.0	10.3	*	20.0	13.5	*
Prostatectomy	40	2.5	0.6	*	2.5	1.5	*	5.0	2.5	*
Cholecystectomy	26	0.0	2.0	*	3.8	3.9	*	3.8	5.6	*
Hysterectomy	6	16.7	1.2	*	16.7	2.6	*	16.7	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	162
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	46
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	0
Registered Nurses	69
Licensed Practical Nurses	51

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FISHER TITUS MEMORIAL HOSPITAL

Medicare Provider Number: 360065

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	802	10.2	7.6	1.6	14.0	11.4	1.7	16.0	14.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	26	34.6	34.5	*	42.3	37.5	*	46.2	40.9	*
Congestive Heart Failure	47	23.4	13.6	*	27.7	20.9	*	29.8	27.3	*
Pneumonia/Influenza	31	22.6	14.9	*	29.0	20.3	*	32.3	24.6	*
Chronic Obstructive Pulmonary Disease	19	5.3	6.9	*	5.3	13.1	*	5.3	18.6	*
Transient Cerebral Ischemia	14	0.0	1.8	*	0.0	4.1	*	0.0	6.4	*
Stroke	25	32.0	17.0	*	44.0	23.2	*	44.0	27.5	*
Hip Fracture	18	0.0	6.7	*	0.0	12.2	*	5.6	15.6	*
Sepsis	7	14.3	16.9	*	14.3	23.0	*	14.3	28.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	5.9	*	27.3	8.7	*	27.3	11.3	*
Carotid Endarterectomy	17	0.0	1.5	*	11.8	3.1	*	11.8	4.7	*
Hip Replacement/Reconstruction	13	7.7	6.9	*	7.7	11.6	*	15.4	14.6	*
Open Reduction of Hip Fracture	7	0.0	7.5	*	0.0	14.1	*	0.0	18.4	*
Prostatectomy	39	2.6	0.7	*	7.7	1.9	*	7.7	3.2	*
Cholecystectomy	19	5.3	1.5	*	5.3	2.6	*	5.3	3.5	*
Hysterectomy	7	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	829	11.7	9.1	1.6	15.0	13.6	1.4	17.6	17.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	40	37.5	31.8	*	42.5	34.5	*	42.5	37.7	*
Congestive Heart Failure	69	24.6	15.5	10.0	27.5	23.7	8.6	33.3	30.5	6.8
Pneumonia/Influenza	29	17.2	17.0	*	17.2	22.9	*	17.2	27.6	*
Chronic Obstructive Pulmonary Disease	11	9.1	7.6	*	9.1	12.8	*	9.1	17.1	*
Transient Cerebral Ischemia	13	7.7	2.2	*	7.7	5.1	*	7.7	8.3	*
Stroke	30	36.7	20.7	*	46.7	27.4	*	46.7	32.2	*
Hip Fracture	18	0.0	5.6	*	5.6	10.9	*	5.6	14.5	*
Sepsis	3	0.0	36.7	*	33.3	45.1	*	33.3	51.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	4.3	*	7.7	8.1	*	7.7	11.5	*
Carotid Endarterectomy	9	0.0	2.0	*	0.0	3.7	*	11.1	5.4	*
Hip Replacement/Reconstruction	12	0.0	5.0	*	0.0	10.2	*	8.3	14.0	*
Open Reduction of Hip Fracture	8	0.0	5.0	*	12.5	10.1	*	12.5	13.7	*
Prostatectomy	41	2.4	1.2	*	2.4	2.7	*	7.3	4.4	*
Cholecystectomy	28	3.6	3.3	*	7.1	5.5	*	7.1	6.8	*
Hysterectomy	5	0.0	0.5	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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FTMC Fisher-Titus Medical Center
272 Benedict Avenue
Norwalk, Ohio 44857
419/668-8101

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
ATTN: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert,

Upon review of the mortality data for FY 1989-1988-1987 the following areas of concern were identified:

1. The sample size for the categories was too small to be statistically valid, except for All Cases and Congestive Heart Failure. The observed vs. predicated mortality rate is misleading both positively and negatively. This misconception makes the data very confusing for general publication.

2. Many of the deaths occurred outside the 30-90-180 day time frame making the data incorrect and increasing the observed rates.

3. Random sampling may give a more accurate mortality rate only if the death is associated with that admission. However, there is not any such connection with some of these cases. Several cases are readmitted and expired with a totally different diagnosis that should have been contributed to a different condition/procedure category giving false observed rates.

4. Some patients were discharged or readmitted to another short term hospital and expired at that facility. Again this is misleading statistically.

Further investigation of the provided data shows a continual trend of the observed mortality rate for All Cases category to have decreased to be within .1% of the predicted rate over the past three years and remains stable throughout the 90-180 day time frame. Several of the deaths in the Congestive Heart Failure category were incorrectly assigned. The deaths actually occurred in readmissions with different diagnosis. With this correction the observed rate corresponds more closely to the predicted rate in this category.

No further comment can be made regarding other categories due to lack of sample size.

Respectfully,

Richard C. Westhofen
President

RCW:kde

FLOWER HOSPITAL

5200 Harroun Rd
Sylvania, OH 43610

Medicare Provider Number: 360074

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,840	9.0	8.3	1.0	14.1	12.9	1.2	17.4	16.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	47	31.9	27.6	*	36.2	30.7	*	40.4	34.1	*
Congestive Heart Failure	106	10.4	13.7	5.7	19.8	21.9	5.4	26.4	28.9	6.3
Pneumonia/Influenza	87	18.4	14.9	6.8	27.6	21.0	7.7	29.9	25.8	7.7
Chronic Obstructive Pulmonary Disease	52	1.9	5.6	4.2	9.6	10.5	4.9	13.5	14.9	5.1
Transient Cerebral Ischemia	29	3.4	2.1	*	3.4	4.8	*	3.4	7.8	*
Stroke	58	20.7	19.9	6.2	25.9	26.8	6.3	25.9	31.4	8.8
Hip Fracture	44	9.1	5.4	*	11.4	9.8	*	11.4	12.8	*
Sepsis	20	40.0	34.7	*	55.0	43.5	*	55.0	51.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	2.3	*	0.0	4.8	*	5.3	7.4	*
Carotid Endarterectomy	20	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	43	2.3	2.2	*	2.3	4.5	*	4.7	6.4	*
Open Reduction of Hip Fracture	24	12.5	5.1	*	16.7	9.6	*	16.7	12.7	*
Prostatectomy	51	2.0	0.8	1.6	3.9	1.9	2.9	5.9	3.2	4.5
Cholecystectomy	26	0.0	2.6	*	0.0	4.9	*	0.0	6.6	*
Hysterectomy	15	0.0	0.6	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 419
Occupancy Rate 77
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 156
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 15
Registered Nurses 151
Licensed Practical Nurses 25

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FLOWER HOSPITAL

Medicare Provider Number: 360074

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,020	9.5	8.2	0.9	15.4	12.8	1.4	18.4	16.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	58	19.0	27.2	7.9	27.6	29.9	7.1	29.3	33.2	6.8
Congestive Heart Failure	96	19.8	14.6	5.7	26.0	22.9	5.0	33.3	29.8	5.5
Pneumonia/Influenza	103	19.4	15.7	6.5	31.1	21.9	10.7	33.0	26.7	9.2
Chronic Obstructive Pulmonary Disease	34	8.8	6.9	*	14.7	12.4	*	17.6	17.1	*
Transient Cerebral Ischemia	26	0.0	1.6	*	3.8	3.6	*	3.8	5.7	*
Stroke	79	20.3	19.2	5.6	34.2	26.4	7.8	38.0	31.3	7.9
Hip Fracture	52	5.8	6.7	3.6	13.5	12.4	6.4	13.5	16.1	7.3
Sepsis	28	28.6	26.7	*	32.1	36.5	*	35.7	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	4.9	*	0.0	7.2	*	0.0	9.8	*
Carotid Endarterectomy	23	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	51	3.9	3.6	3.3	5.9	6.8	4.5	5.9	8.9	5.1
Open Reduction of Hip Fracture	28	7.1	6.1	*	14.3	11.7	*	14.3	15.5	*
Prostatectomy	59	0.0	1.2	2.1	3.4	2.9	2.7	5.1	4.7	4.6
Cholecystectomy	42	7.1	2.9	*	16.7	5.4	*	16.7	7.1	*
Hysterectomy	10	10.0	0.2	*	10.0	0.4	*	10.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,970	9.7	8.3	0.9	14.6	13.0	1.1	18.3	16.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	60	30.0	25.9	8.6	33.3	29.0	9.5	33.3	32.5	10.5
Congestive Heart Failure	114	14.0	15.8	3.7	23.7	24.4	5.0	30.7	31.3	4.6
Pneumonia/Influenza	97	25.8	16.0	5.3	28.9	21.9	5.3	29.9	26.7	4.9
Chronic Obstructive Pulmonary Disease	45	6.7	9.9	*	15.6	16.4	*	22.2	21.5	*
Transient Cerebral Ischemia	38	2.6	2.0	*	5.3	4.4	*	5.3	6.9	*
Stroke	57	31.6	18.1	7.6	36.8	25.0	7.2	38.6	29.6	7.0
Hip Fracture	36	8.3	6.7	*	11.1	12.0	*	19.4	15.5	*
Sepsis	25	32.0	33.3	*	40.0	41.7	*	48.0	48.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	4.3	*	10.5	7.2	*	10.5	9.9	*
Carotid Endarterectomy	32	9.4	2.1	*	9.4	4.1	*	9.4	5.8	*
Hip Replacement/Reconstruction	32	0.0	2.2	*	0.0	4.2	*	6.3	5.6	*
Open Reduction of Hip Fracture	22	13.6	6.8	*	18.2	12.6	*	22.7	16.2	*
Prostatectomy	44	2.3	1.1	*	2.3	2.7	*	2.3	4.6	*
Cholecystectomy	32	6.3	3.4	*	9.4	5.9	*	12.5	7.4	*
Hysterectomy	11	0.0	3.0	*	0.0	6.2	*	0.0	8.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FOSTORIA CITY HOSPITAL

501 Van Buren St
Fostoria, OH 44830

Medicare Provider Number: 360099

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	492	6.7	9.9	1.9	11.0	14.9	2.2	15.0	19.0	2.3
CONDITIONS:										
Acute Myocardial Infarction	14	28.6	24.8	*	28.6	28.1	*	28.6	31.3	*
Congestive Heart Failure	54	16.7	16.1	5.3	25.9	24.8	7.4	37.0	31.9	11.0
Pneumonia/Influenza	30	10.0	19.0	*	13.3	25.1	*	16.7	30.1	*
Chronic Obstructive Pulmonary Disease	15	0.0	5.7	*	0.0	11.2	*	6.7	16.2	*
Transient Cerebral Ischemia	13	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke	19	10.5	23.5	*	15.8	29.1	*	15.8	33.2	*
Hip Fracture	11	0.0	6.8	*	0.0	13.0	*	0.0	17.4	*
Sepsis	4	25.0	24.3	*	25.0	29.3	*	25.0	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.2	*	0.0	4.2	*	0.0	8.3	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	3.8	*	0.0	5.6	*
Hip Replacement/Reconstruction	4	0.0	7.2	*	0.0	14.5	*	0.0	20.2	*
Open Reduction of Hip Fracture	6	0.0	5.8	*	0.0	11.2	*	0.0	14.9	*
Prostatectomy	5	0.0	1.2	*	0.0	2.9	*	0.0	4.7	*
Cholecystectomy	8	0.0	1.8	*	0.0	3.0	*	0.0	3.8	*
Hysterectomy	5	0.0	4.9	*	0.0	9.1	*	0.0	12.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 70
Occupancy Rate 41
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 20
Percent of Physicians Board Certified Specialists 60
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FOSTORIA CITY HOSPITAL

Medicare Provider Number: 360099

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	549	8.7	8.9	1.3	12.9	13.4	1.7	16.0	17.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	20	30.0	28.0	*	35.0	31.6	*	35.0	35.1	*
Congestive Heart Failure	46	8.7	14.4	*	13.0	22.1	*	17.4	28.7	*
Pneumonia/Influenza	45	6.7	15.6	*	13.3	21.0	*	22.2	25.4	*
Chronic Obstructive Pulmonary Disease	16	6.3	3.7	*	6.3	7.3	*	6.3	10.5	*
Transient Cerebral Ischemia	13	0.0	2.7	*	0.0	6.0	*	0.0	9.4	*
Stroke	19	21.1	19.8	*	21.1	26.4	*	26.3	30.8	*
Hip Fracture	15	6.7	6.8	*	6.7	12.2	*	6.7	15.6	*
Sepsis	5	20.0	22.6	*	40.0	33.7	*	40.0	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.4	*	0.0	3.2	*	0.0	5.1	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	7	0.0	7.3	*	0.0	13.6	*	0.0	17.4	*
Open Reduction of Hip Fracture	6	16.7	4.9	*	16.7	9.3	*	16.7	12.2	*
Prostatectomy	2	0.0	0.6	*	0.0	1.5	*	0.0	2.4	*
Cholecystectomy	9	11.1	2.0	*	11.1	3.4	*	11.1	4.2	*
Hysterectomy	5	0.0	2.7	*	20.0	5.5	*	20.0	7.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	572	8.6	9.7	1.9	13.1	14.6	2.7	15.7	18.5	3.1
CONDITIONS:										
Acute Myocardial Infarction	23	21.7	29.3	*	26.1	33.1	*	30.4	36.6	*
Congestive Heart Failure	51	19.6	16.7	8.2	31.4	25.8	10.5	35.3	33.2	7.7
Pneumonia/Influenza	48	8.3	14.9	*	10.4	20.3	*	14.6	24.8	*
Chronic Obstructive Pulmonary Disease	9	0.0	6.3	*	11.1	11.7	*	11.1	16.5	*
Transient Cerebral Ischemia	12	25.0	2.3	*	25.0	5.0	*	25.0	8.1	*
Stroke	17	23.5	20.0	*	29.4	26.7	*	35.3	31.0	*
Hip Fracture	16	6.3	6.2	*	31.3	11.5	*	31.3	14.8	*
Sepsis	1	0.0	40.6	*	0.0	45.5	*	0.0	50.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.3	*	0.0	6.6	*	0.0	9.6	*
Carotid Endarterectomy	1	0.0	3.3	*	0.0	8.0	*	0.0	12.0	*
Hip Replacement/Reconstruction	6	0.0	4.9	*	16.7	9.7	*	16.7	13.1	*
Open Reduction of Hip Fracture	10	10.0	5.8	*	40.0	11.1	*	40.0	14.5	*
Prostatectomy	3	0.0	1.5	*	0.0	3.8	*	0.0	6.5	*
Cholecystectomy	9	0.0	1.9	*	0.0	3.2	*	0.0	4.0	*
Hysterectomy	2	0.0	2.7	*	0.0	6.2	*	0.0	9.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FT HAMILTON HUGHES MEMORIAL HOSPITAL

630 Eaton Avenue
Hamilton, OH 45013

Medicare Provider Number: 360132

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,354	9.9	8.1	1.1	15.1	12.7	1.3	18.8	16.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	43	20.9	26.4	*	23.3	30.0	*	30.2	33.4	*
Congestive Heart Failure	77	18.2	14.4	4.9	26.0	22.5	5.3	35.1	28.9	6.6
Pneumonia/Influenza	64	20.3	14.6	6.5	28.1	20.5	6.9	35.9	24.9	8.3
Chronic Obstructive Pulmonary Disease	12	16.7	7.0	*	33.3	12.6	*	33.3	17.3	*
Transient Cerebral Ischemia	51	0.0	1.7	2.3	0.0	3.7	3.9	2.0	5.8	4.4
Stroke	52	15.4	20.1	6.8	26.9	26.8	6.5	34.6	31.1	8.2
Hip Fracture	41	7.3	6.1	*	9.8	11.2	*	14.6	14.6	*
Sepsis	9	22.2	22.1	*	33.3	29.1	*	33.3	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.1	*	0.0	8.2	*	0.0	11.6	*
Carotid Endarterectomy	11	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	18	5.6	3.9	*	5.6	7.4	*	5.6	9.9	*
Open Reduction of Hip Fracture	18	11.1	7.1	*	11.1	13.3	*	16.7	17.6	*
Prostatectomy	48	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*
Cholecystectomy	18	5.6	3.7	*	5.6	7.3	*	5.6	9.9	*
Hysterectomy	7	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 264
Occupancy Rate 62
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 138
Percent of Physicians Board Certified Specialists 73
Medical Residents/Interns 0
Registered Nurses 208
Licensed Practical Nurses 22

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

FT HAMILTON HUGHES MEMORIAL HOSPITAL

Medicare Provider Number: 360132

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,342	11.1	8.5	1.3	15.6	13.1	1.3	18.7	16.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	44	43.2	31.9	*	47.7	35.3	*	47.7	39.0	*
Congestive Heart Failure	79	22.8	15.6	8.2	31.6	24.1	7.9	36.7	31.2	7.1
Pneumonia/Influenza	49	30.6	17.5	*	36.7	24.2	*	38.8	29.0	*
Chronic Obstructive Pulmonary Disease	15	13.3	6.5	*	20.0	12.0	*	20.0	16.7	*
Transient Cerebral Ischemia	46	2.2	2.2	*	4.3	4.8	*	8.7	7.6	*
Stroke	42	16.7	18.5	*	19.0	26.1	*	31.0	30.9	*
Hip Fracture	25	4.0	5.6	*	16.0	10.6	*	20.0	13.8	*
Sepsis	8	37.5	25.8	*	50.0	35.2	*	62.5	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	5.6	*	0.0	9.4	*	0.0	13.0	*
Carotid Endarterectomy	19	5.3	1.3	*	5.3	2.6	*	10.5	3.8	*
Hip Replacement/Reconstruction	19	0.0	4.3	*	5.3	8.5	*	10.5	11.2	*
Open Reduction of Hip Fracture	10	10.0	4.7	*	20.0	9.1	*	20.0	12.4	*
Prostatectomy	39	0.0	0.5	*	0.0	1.2	*	5.1	2.0	*
Cholecystectomy	22	0.0	1.5	*	4.5	3.1	*	4.5	4.4	*
Hysterectomy	6	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,445	10.5	9.1	0.9	15.6	13.9	1.1	19.7	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	47	29.8	31.1	*	29.8	34.9	*	29.8	38.7	*
Congestive Heart Failure	106	17.0	14.9	4.2	28.3	22.8	7.0	34.9	29.4	8.3
Pneumonia/Influenza	54	14.8	16.4	5.3	24.1	22.7	5.7	37.0	27.5	7.6
Chronic Obstructive Pulmonary Disease	16	12.5	8.8	*	31.3	16.5	*	31.3	22.8	*
Transient Cerebral Ischemia	46	0.0	2.1	*	2.2	4.5	*	2.2	7.2	*
Stroke	60	20.0	22.1	8.6	25.0	30.1	8.7	33.3	35.0	6.4
Hip Fracture	38	10.5	7.5	*	18.4	13.2	*	23.7	16.8	*
Sepsis	13	46.2	36.0	*	53.8	45.8	*	53.8	53.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.4	*	0.0	5.1	*	0.0	7.7	*
Carotid Endarterectomy	14	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	19	10.5	4.1	*	15.8	8.2	*	26.3	11.1	*
Open Reduction of Hip Fracture	18	5.6	6.2	*	11.1	11.4	*	11.1	14.9	*
Prostatectomy	44	4.5	0.8	*	4.5	1.9	*	4.5	3.1	*
Cholecystectomy	21	0.0	1.7	*	0.0	3.1	*	9.5	4.2	*
Hysterectomy	8	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FULTON COUNTY HEALTH CENTER

725 S Shoop Ave
Wauseon, OH 43567

Medicare Provider Number: 360069

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	582	9.1	9.1	1.2	13.4	13.5	1.5	16.5	17.3	1.9
CONDITIONS:										
Acute Myocardial Infarction	39	17.9	28.5	*	23.1	32.1	*	28.2	35.9	*
Congestive Heart Failure	41	17.1	20.2	*	26.8	30.5	*	31.7	38.1	*
Pneumonia/Influenza	16	18.8	16.4	*	18.8	21.6	*	18.8	26.3	*
Chronic Obstructive Pulmonary Disease	8	0.0	8.3	*	0.0	13.4	*	12.5	17.9	*
Transient Cerebral Ischemia	21	4.8	2.0	*	14.3	4.2	*	14.3	6.6	*
Stroke	17	11.8	19.9	*	17.6	25.7	*	17.6	29.9	*
Hip Fracture	14	21.4	8.2	*	28.6	14.4	*	28.6	18.4	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	5.6	*	14.3	10.6	*	14.3	14.1	*
Open Reduction of Hip Fracture	5	40.0	9.7	*	40.0	17.7	*	40.0	22.5	*
Prostatectomy	18	0.0	0.6	*	0.0	1.6	*	5.6	2.7	*
Cholecystectomy	9	0.0	3.1	*	0.0	5.9	*	0.0	8.0	*
Hysterectomy	5	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	86
Occupancy Rate	50
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	19
Percent of Physicians Board Certified Specialists	42
Medical Residents/Interns	0
Registered Nurses	83
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FULTON COUNTY HEALTH CENTER

Medicare Provider Number: 360069

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	626	9.3	10.0	1.8	12.1	14.5	2.1	15.2	18.2	2.5
CONDITIONS:										
Acute Myocardial Infarction	39	30.8	27.2	*	33.3	30.9	*	33.3	34.6	*
Congestive Heart Failure	49	20.4	17.4	*	24.5	26.2	*	34.7	33.6	*
Pneumonia/Influenza	17	5.9	15.6	*	5.9	20.8	*	5.9	25.0	*
Chronic Obstructive Pulmonary Disease	9	22.2	10.3	*	22.2	16.2	*	22.2	20.9	*
Transient Cerebral Ischemia	15	0.0	2.2	*	0.0	4.9	*	0.0	7.8	*
Stroke	29	17.2	20.2	*	17.2	27.2	*	27.6	32.0	*
Hip Fracture	15	20.0	7.3	*	20.0	13.2	*	20.0	17.0	*
Sepsis	3	0.0	33.1	*	33.3	40.4	*	33.3	46.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	33.0	*	100.0	39.1	*	100.0	44.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	40.0	5.1	*	40.0	9.7	*	40.0	12.6	*
Open Reduction of Hip Fracture	7	0.0	6.8	*	0.0	12.9	*	0.0	16.8	*
Prostatectomy	19	0.0	0.6	*	5.3	1.3	*	5.3	2.2	*
Cholecystectomy	14	7.1	2.6	*	7.1	4.3	*	14.3	5.5	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	563	7.5	8.8	1.3	11.0	13.2	1.7	14.7	16.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	39	20.5	28.7	*	28.2	32.2	*	28.2	35.8	*
Congestive Heart Failure	51	5.9	16.8	6.7	9.8	25.1	8.0	21.6	32.3	8.0
Pneumonia/Influenza	11	0.0	15.3	*	9.1	20.6	*	9.1	25.3	*
Chronic Obstructive Pulmonary Disease	2	0.0	25.3	*	0.0	38.1	*	0.0	44.7	*
Transient Cerebral Ischemia	9	0.0	2.4	*	0.0	5.2	*	0.0	8.4	*
Stroke	23	13.0	20.6	*	17.4	27.4	*	17.4	32.1	*
Hip Fracture	15	6.7	7.2	*	13.3	13.2	*	20.0	17.2	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	6.2	*	16.7	11.2	*	16.7	14.4	*
Open Reduction of Hip Fracture	7	0.0	5.0	*	0.0	10.5	*	14.3	14.8	*
Prostatectomy	18	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*
Cholecystectomy	5	20.0	3.3	*	20.0	5.9	*	20.0	7.3	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Health Care Financing Administration:

Analysis of the mortality data presented by HCFA demonstrates that Fulton County Health Center's (FCHC) observed mortality rate for all causes is equal to the predicted rate for 30 days and less than the predicted rate for both 90 and 180 days. When reviewing the statistics for fiscal year 1987 and 1988; FCHC's observed mortality rate was less than the predicted rate for all three time spans (30, 90 and 180 days).

HCFA's refinements to the methodology used in calculating the mortality statistics are noted as improvements. By randomly selecting one hospital discharge for those Medicare beneficiaries that have multiple discharges allows a more accurate picture of the actual mortality rates. However, death is a possibility each time a patient is admitted to a health care facility. By including a discharge disposition category, a straight mortality rate may be obtained. For FCHC, this would be 5.2% for October, 1988 - September, 1989 (or 3.9% using FCHC's fiscal year of January - December). This is significantly lower than the observed mortality rates for 30, 90 and 180 days. Inclusion of the factors to evaluate the probability of a patient's death also make the statistics more valid.

The use of the fiscal year is also a good idea, however, not all health care facilities use October - September as their fiscal year. FCHC's fiscal year is January - December. Changing the time period reviewed for the mortality statistics after using January - December for the previous three years makes it difficult to compare hospital specific information.

Finally, it must be stressed that statistics are not to be the sole basis for a person to choose a health care facility. Statistics do not reveal the quality of care a patient receives, the severity of the patient's illness or the intensity of service a patient receives.

Thank you for this opportunity to comment on the 1989 Medicare hospital mortality information.

Sincerely,

Patricia A. Finn, RRA, CPQA

Patricia A. Finn, R.R.A., C.P.Q.A.
Director of Risk Management/Quality Assurance

GALION COMMUNITY HOSPITAL

Portland Way South
Galion, OH 44833

Medicare Provider Number: 360194

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	721	7.9	9.2	1.2	10.4	13.6	1.8	13.6	17.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	24.7	*	28.0	27.6	*	28.0	30.8	*
Congestive Heart Failure	57	15.8	14.9	6.3	24.6	23.7	5.7	35.1	30.9	9.0
Pneumonia/Influenza	55	14.5	14.4	4.8	14.5	19.9	6.3	14.5	24.1	8.0
Chronic Obstructive Pulmonary Disease	9	22.2	10.6	*	22.2	17.5	*	22.2	23.0	*
Transient Cerebral Ischemia	15	0.0	2.2	*	0.0	5.0	*	0.0	8.1	*
Stroke	31	16.1	23.8	*	16.1	30.7	*	19.4	35.4	*
Hip Fracture	14	7.1	6.6	*	7.1	11.8	*	7.1	15.2	*
Sepsis	3	33.3	21.0	*	33.3	27.3	*	33.3	33.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.3	*	0.0	7.6	*	0.0	12.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	3.2	*	7.1	6.5	*	14.3	9.2	*
Open Reduction of Hip Fracture	2	0.0	6.3	*	0.0	11.7	*	0.0	15.0	*
Prostatectomy	31	0.0	1.0	*	0.0	2.3	*	3.2	3.9	*
Cholecystectomy	7	0.0	2.4	*	0.0	4.1	*	0.0	5.4	*
Hysterectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 109
Occupancy Rate 41
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GALION COMMUNITY HOSPITAL

Medicare Provider Number: 360194

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	698	8.5	9.0	1.3	12.6	13.5	2.1	15.0	17.0	2.5
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	26.3	*	24.0	29.8	*	28.0	33.2	*
Congestive Heart Failure	43	11.6	16.0	*	16.3	24.6	*	23.3	31.5	*
Pneumonia/Influenza	53	17.0	16.5	5.1	20.8	22.3	6.4	24.5	26.6	7.0
Chronic Obstructive Pulmonary Disease	4	0.0	8.2	*	0.0	13.0	*	0.0	17.0	*
Transient Cerebral Ischemia	22	0.0	2.0	*	4.5	4.2	*	4.5	6.5	*
Stroke	35	28.6	23.8	*	34.3	31.8	*	37.1	36.8	*
Hip Fracture	20	0.0	6.7	*	5.0	12.1	*	10.0	15.6	*
Sepsis	7	28.6	23.8	*	28.6	30.5	*	28.6	35.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	33.3	13.4	*	33.3	17.4	*	33.3	21.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	3.8	*	0.0	7.1	*	9.1	9.4	*
Open Reduction of Hip Fracture	5	0.0	5.0	*	0.0	9.8	*	0.0	13.2	*
Prostatectomy	19	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*
Cholecystectomy	7	0.0	1.2	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	2	0.0	0.9	*	0.0	1.8	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	742	7.8	8.7	1.3	10.9	13.0	2.1	14.2	16.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	33	21.2	23.9	*	24.2	27.5	*	30.3	31.0	*
Congestive Heart Failure	57	15.8	15.5	6.2	21.1	23.2	5.7	24.6	29.7	7.0
Pneumonia/Influenza	51	9.8	14.8	6.6	15.7	19.7	6.5	19.6	23.4	6.8
Chronic Obstructive Pulmonary Disease	8	37.5	8.6	*	37.5	14.1	*	50.0	18.4	*
Transient Cerebral Ischemia	24	0.0	2.0	*	8.3	4.3	*	12.5	6.8	*
Stroke	37	18.9	25.4	*	21.6	34.3	*	32.4	39.5	*
Hip Fracture	19	5.3	9.1	*	10.5	16.0	*	15.8	20.1	*
Sepsis	6	33.3	28.7	*	33.3	33.7	*	33.3	38.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.6	*	0.0	5.6	*	0.0	8.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	5.6	*	0.0	10.1	*	0.0	13.0	*
Open Reduction of Hip Fracture	2	0.0	2.6	*	0.0	5.1	*	50.0	7.0	*
Prostatectomy	22	0.0	1.1	*	0.0	2.7	*	4.5	4.5	*
Cholecystectomy	14	0.0	1.7	*	0.0	2.9	*	0.0	3.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GEAUGA HOSPITAL

13207 Ravenna Rd
Chardon, OH 44024

Medicare Provider Number: 360192

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,135	9.3	9.2	0.9	14.9	13.6	1.2	18.6	17.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	40	32.5	32.0	*	32.5	35.3	*	32.5	38.8	*
Congestive Heart Failure	62	19.4	17.7	5.0	32.3	26.2	7.0	37.1	33.0	9.9
Pneumonia/Influenza	52	19.2	18.4	5.8	28.8	24.5	7.6	34.6	29.4	11.4
Chronic Obstructive Pulmonary Disease	24	8.3	9.2	*	16.7	15.6	*	20.8	21.0	*
Transient Cerebral Ischemia	26	3.8	2.4	*	7.7	5.5	*	15.4	8.9	*
Stroke	32	25.0	23.7	*	31.3	30.7	*	43.8	35.4	*
Hip Fracture	32	6.3	7.1	*	21.9	13.1	*	25.0	17.2	*
Sepsis	7	57.1	28.8	*	71.4	36.7	*	71.4	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.1	*	0.0	6.1	*	0.0	9.0	*
Carotid Endarterectomy	4	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	28	0.0	3.3	*	0.0	6.2	*	7.1	8.4	*
Open Reduction of Hip Fracture	14	14.3	6.3	*	42.9	12.0	*	42.9	15.8	*
Prostatectomy	29	3.4	1.0	*	6.9	2.6	*	10.3	4.4	*
Cholecystectomy	18	5.6	2.1	*	11.1	4.0	*	11.1	5.6	*
Hysterectomy	4	0.0	0.6	*	0.0	1.3	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 125
Occupancy Rate 55
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 45
Percent of Physicians Board Certified Specialists 71
Medical Residents/Interns 0
Registered Nurses 116
Licensed Practical Nurses 13

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

GEAUGA HOSPITAL

Medicare Provider Number: 360192

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,105	9.5	9.4	1.0	15.0	14.1	1.4	18.4	17.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	35	28.6	34.1	*	34.3	37.0	*	37.1	40.6	*
Congestive Heart Failure	80	18.7	15.6	5.7	30.0	23.6	9.9	36.2	30.3	9.1
Pneumonia/Influenza	54	11.1	20.3	7.6	22.2	27.0	6.6	27.8	32.1	7.0
Chronic Obstructive Pulmonary Disease	23	4.3	10.8	*	13.0	18.4	*	13.0	25.0	*
Transient Cerebral Ischemia	20	0.0	1.9	*	0.0	4.1	*	0.0	6.3	*
Stroke	21	38.1	19.0	*	42.9	25.2	*	42.9	29.7	*
Hip Fracture	21	0.0	5.6	*	14.3	10.3	*	14.3	13.3	*
Sepsis	12	25.0	23.5	*	25.0	29.9	*	33.3	35.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.3	*	0.0	2.9	*	0.0	4.5	*
Carotid Endarterectomy	7	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	35	0.0	2.2	*	8.6	4.2	*	8.6	5.5	*
Open Reduction of Hip Fracture	7	0.0	4.4	*	0.0	8.3	*	0.0	11.0	*
Prostatectomy	30	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	13	15.4	5.2	*	15.4	8.0	*	15.4	9.7	*
Hysterectomy	16	0.0	0.3	*	0.0	0.6	*	6.3	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	955	8.6	9.7	1.3	13.9	14.0	1.1	17.0	17.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	45	33.3	37.0	*	44.4	40.1	*	46.7	43.7	*
Congestive Heart Failure	73	15.1	18.6	6.4	21.9	27.6	8.4	30.1	34.7	7.7
Pneumonia/Influenza	43	23.3	19.7	*	30.2	26.1	*	30.2	31.3	*
Chronic Obstructive Pulmonary Disease	11	0.0	6.0	*	18.2	11.1	*	18.2	15.4	*
Transient Cerebral Ischemia	21	0.0	2.0	*	0.0	4.3	*	0.0	6.9	*
Stroke	28	25.0	22.9	*	35.7	30.2	*	42.9	35.2	*
Hip Fracture	20	5.0	8.6	*	15.0	14.6	*	20.0	18.2	*
Sepsis	8	37.5	27.3	*	50.0	35.2	*	50.0	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.7	*	0.0	6.8	*	0.0	9.7	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	32	0.0	3.0	*	3.1	5.5	*	3.1	7.0	*
Open Reduction of Hip Fracture	9	11.1	8.9	*	22.2	15.8	*	33.3	19.8	*
Prostatectomy	31	0.0	0.7	*	0.0	1.8	*	3.2	3.1	*
Cholecystectomy	22	0.0	4.6	*	4.5	7.8	*	4.5	9.9	*
Hysterectomy	10	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GOOD SAMARITAN HOSPITAL

3217 Clifton Avenue
Cincinnati, OH 45220

Medicare Provider Number: 360134

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,377	8.6	8.7	0.6	13.7	13.5	0.7	17.1	17.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	71	26.8	30.6	7.1	26.8	33.6	7.3	26.8	37.3	9.4
Congestive Heart Failure	161	19.3	14.4	4.4	28.0	22.4	4.8	31.7	29.1	4.0
Pneumonia/Influenza	169	20.1	18.3	3.2	29.0	24.8	4.3	32.0	29.9	3.8
Chronic Obstructive Pulmonary Disease	44	9.1	8.6	*	13.6	14.5	*	20.5	19.5	*
Transient Cerebral Ischemia	51	3.9	1.8	2.6	5.9	4.1	3.3	9.8	6.6	5.1
Stroke	87	29.9	22.1	5.7	34.5	28.6	5.6	35.6	33.1	5.4
Hip Fracture	68	1.5	6.2	3.5	4.4	11.4	5.1	7.4	15.0	5.5
Sepsis	20	30.0	31.3	*	40.0	39.5	*	50.0	46.3	*
PROCEDURES:										
Angioplasty	35	0.0	3.0	*	0.0	4.0	*	0.0	5.2	*
Coronary Artery Bypass Graft	74	9.5	4.9	4.1	13.5	6.7	5.9	14.9	8.3	6.6
Initial Pacemaker Insertion	31	3.2	2.8	*	6.5	5.8	*	6.5	8.8	*
Carotid Endarterectomy	9	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	49	2.0	2.8	*	2.0	5.6	*	6.1	7.8	*
Open Reduction of Hip Fracture	25	0.0	5.8	*	8.0	10.9	*	8.0	14.3	*
Prostatectomy	77	0.0	0.8	1.2	0.0	1.8	2.2	1.3	3.1	2.5
Cholecystectomy	36	8.3	2.4	*	8.3	4.4	*	11.1	6.0	*
Hysterectomy	44	0.0	0.3	*	0.0	0.7	*	2.3	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	706
Occupancy Rate	82
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	409
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	62
Registered Nurses	810
Licensed Practical Nurses	74

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

GOOD SAMARITAN HOSPITAL

Medicare Provider Number: 360134

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,532	9.3	9.3	0.8	14.6	14.3	0.9	18.1	18.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	63	30.2	33.9	7.2	41.3	37.6	7.4	44.4	41.8	7.2
Congestive Heart Failure	200	17.0	17.1	3.3	24.5	26.6	3.3	29.0	34.1	4.5
Pneumonia/Influenza	167	18.0	19.3	3.1	29.3	26.0	3.9	36.5	31.2	4.5
Chronic Obstructive Pulmonary Disease	41	7.3	7.6	*	14.6	13.7	*	14.6	18.9	*
Transient Cerebral Ischemia	35	0.0	1.6	*	2.9	3.4	*	8.6	5.3	*
Stroke	120	20.8	19.7	4.1	28.3	25.9	4.9	32.5	30.5	5.5
Hip Fracture	65	6.2	6.5	3.1	12.3	12.0	4.1	16.9	15.6	5.0
Sepsis	47	27.7	36.3	*	40.4	44.7	*	46.8	51.6	*
PROCEDURES:										
Angioplasty	17	0.0	1.3	*	0.0	2.0	*	0.0	2.8	*
Coronary Artery Bypass Graft	83	8.4	5.1	4.3	13.3	7.0	4.9	13.3	8.3	5.0
Initial Pacemaker Insertion	37	2.7	5.6	*	2.7	9.2	*	2.7	12.6	*
Carotid Endarterectomy	18	11.1	1.1	*	16.7	2.0	*	16.7	3.0	*
Hip Replacement/Reconstruction	60	1.7	3.2	2.6	5.0	5.9	3.5	6.7	7.9	4.3
Open Reduction of Hip Fracture	24	4.2	5.9	*	4.2	11.2	*	12.5	14.7	*
Prostatectomy	62	1.6	2.4	2.2	3.2	4.4	3.0	4.8	6.5	3.8
Cholecystectomy	45	6.7	2.1	*	13.3	4.0	*	15.6	5.5	*
Hysterectomy	32	0.0	0.4	*	0.0	1.0	*	3.1	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,566	8.5	8.6	0.8	13.2	13.2	0.8	17.2	16.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	72	38.9	32.5	7.2	38.9	36.1	6.6	41.7	40.0	5.9
Congestive Heart Failure	165	17.6	16.6	3.3	26.7	25.4	4.0	31.5	32.6	4.5
Pneumonia/Influenza	165	15.2	19.5	5.3	26.1	26.6	4.1	30.9	31.9	4.3
Chronic Obstructive Pulmonary Disease	60	15.0	9.7	6.1	18.3	16.5	5.2	23.3	21.8	5.7
Transient Cerebral Ischemia	50	2.0	1.8	*	2.0	4.1	*	2.0	6.4	*
Stroke	101	18.8	23.4	5.8	26.7	29.8	6.0	30.7	34.4	6.6
Hip Fracture	74	8.1	6.6	3.8	12.2	11.4	5.5	16.2	14.6	6.2
Sepsis	34	32.4	39.0	*	47.1	46.9	*	52.9	53.6	*
PROCEDURES:										
Angioplasty	3	0.0	1.6	*	0.0	2.2	*	0.0	3.1	*
Coronary Artery Bypass Graft	63	6.3	4.7	2.7	6.3	6.8	3.2	6.3	8.2	3.9
Initial Pacemaker Insertion	35	0.0	5.2	*	8.6	10.6	*	14.3	15.2	*
Carotid Endarterectomy	19	0.0	1.2	*	0.0	2.3	*	5.3	3.3	*
Hip Replacement/Reconstruction	65	3.1	2.5	2.1	3.1	4.6	3.0	4.6	6.1	3.4
Open Reduction of Hip Fracture	24	12.5	5.9	*	12.5	10.8	*	16.7	14.0	*
Prostatectomy	79	0.0	1.2	1.9	1.3	3.0	3.6	6.3	5.0	3.6
Cholecystectomy	48	2.1	4.3	*	10.4	7.5	*	14.6	9.9	*
Hysterectomy	37	0.0	0.5	*	0.0	1.0	*	2.7	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

GOOD SAMARITAN HOSPITAL & HEALTH CENTER

2222 Philadelphia Dr
Dayton, OH 45406

Medicare Provider Number: 360052

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,080	7.6	8.2	0.7	12.1	12.6	0.9	15.5	16.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	119	31.1	27.6	5.7	32.8	31.0	5.3	33.6	34.3	4.6
Congestive Heart Failure	217	18.9	16.2	4.0	25.8	24.7	3.4	33.6	31.6	4.0
Pneumonia/Influenza	132	11.4	18.0	4.9	19.7	24.0	4.9	26.5	28.7	4.1
Chronic Obstructive Pulmonary Disease	60	3.3	7.7	5.0	10.0	13.2	6.0	13.3	17.8	6.1
Transient Cerebral Ischemia	78	3.8	1.8	3.2	5.1	3.9	4.2	5.1	6.1	5.0
Stroke	123	15.4	23.1	5.3	26.0	30.0	4.9	30.9	34.5	4.7
Hip Fracture	97	5.2	7.1	3.0	12.4	12.6	4.0	13.4	16.3	5.9
Sepsis	15	20.0	24.1	*	20.0	33.2	*	20.0	39.9	*
PROCEDURES:										
Angioplasty	115	3.5	3.2	1.9	4.3	4.2	2.5	4.3	5.4	2.9
Coronary Artery Bypass Graft	176	2.8	5.9	2.4	5.1	8.1	3.2	5.1	9.5	3.2
Initial Pacemaker Insertion	35	0.0	3.4	*	2.9	7.0	*	14.3	10.5	*
Carotid Endarterectomy	18	0.0	1.5	*	5.6	2.7	*	5.6	4.0	*
Hip Replacement/Reconstruction	72	5.6	3.2	3.0	8.3	6.0	3.9	9.7	8.0	3.9
Open Reduction of Hip Fracture	52	3.8	6.4	4.2	9.6	12.0	6.3	9.6	15.8	7.7
Prostatectomy	108	0.0	1.5	1.5	0.9	3.2	2.2	2.8	5.0	2.6
Cholecystectomy	70	5.7	3.5	3.4	10.0	5.8	5.0	11.4	7.6	5.6
Hysterectomy	16	6.3	0.5	*	6.3	1.0	*	6.3	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	473
Occupancy Rate	78
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	272
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	54
Registered Nurses	414
Licensed Practical Nurses	105

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GOOD SAMARITAN HOSPITAL & HEALTH CENTER

Medicare Provider Number: 360052

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,282	6.9	8.6	0.5	11.5	13.4	0.6	15.4	17.1	0.6
CONDITIONS:										
Acute Myocardial Infarction	120	30.0	28.0	5.8	33.3	31.6	5.3	35.0	35.1	4.6
Congestive Heart Failure	234	15.0	16.7	4.2	23.9	25.2	3.5	32.5	32.2	3.1
Pneumonia/Influenza	122	9.8	19.4	4.9	14.8	25.9	5.7	17.2	30.7	6.4
Chronic Obstructive Pulmonary Disease	42	4.8	8.3	*	9.5	13.9	*	21.4	18.7	*
Transient Cerebral Ischemia	92	3.3	2.4	1.8	5.4	5.2	2.8	6.5	8.2	3.8
Stroke	121	17.4	22.1	5.7	28.9	28.7	4.5	31.4	33.2	4.7
Hip Fracture	113	5.3	8.0	3.4	8.8	14.4	5.6	12.4	18.4	6.3
Sepsis	32	21.9	26.8	*	31.3	36.8	*	34.4	43.2	*
PROCEDURES:										
Angioplasty	70	5.7	3.1	3.3	5.7	3.9	3.4	5.7	5.0	3.9
Coronary Artery Bypass Graft	157	5.7	6.1	2.4	6.4	8.0	3.1	6.4	9.4	3.6
Initial Pacemaker Insertion	42	9.5	6.1	*	14.3	9.8	*	14.3	13.2	*
Carotid Endarterectomy	16	6.3	1.6	*	6.3	3.0	*	6.3	4.4	*
Hip Replacement/Reconstruction	58	1.7	4.0	3.1	3.4	7.7	4.9	3.4	10.1	5.8
Open Reduction of Hip Fracture	72	6.9	6.6	2.9	11.1	12.5	4.1	16.7	16.4	4.4
Prostatectomy	124	2.4	1.7	1.6	3.2	3.8	1.9	6.5	6.0	3.0
Cholecystectomy	71	2.8	4.8	2.7	7.0	8.8	3.6	12.7	11.5	4.0
Hysterectomy	24	0.0	0.9	*	0.0	1.6	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,303	8.0	8.9	0.5	12.4	13.7	0.6	15.5	17.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	176	30.1	27.1	3.9	35.2	30.7	4.4	37.5	34.2	4.1
Congestive Heart Failure	187	15.0	18.0	4.4	25.1	26.9	4.8	30.5	34.0	6.2
Pneumonia/Influenza	117	18.8	20.7	4.5	25.6	27.3	4.7	32.5	32.4	4.9
Chronic Obstructive Pulmonary Disease	49	12.2	11.0	*	18.4	17.7	*	20.4	23.0	*
Transient Cerebral Ischemia	77	2.6	2.3	1.9	2.6	4.9	3.1	3.9	7.7	4.4
Stroke	119	18.5	22.2	4.4	22.7	29.4	5.7	27.7	34.0	5.8
Hip Fracture	105	5.7	8.0	3.2	13.3	14.3	4.0	14.3	18.4	5.5
Sepsis	30	36.7	30.6	*	40.0	41.1	*	50.0	48.1	*
PROCEDURES:										
Angioplasty	71	4.2	3.7	2.4	4.2	4.6	2.6	4.2	5.7	3.2
Coronary Artery Bypass Graft	137	5.8	7.0	2.6	8.0	9.2	3.2	8.8	10.5	3.9
Initial Pacemaker Insertion	43	0.0	3.6	*	0.0	7.3	*	4.7	10.8	*
Carotid Endarterectomy	13	0.0	1.5	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	51	2.0	3.7	3.6	3.9	7.1	6.0	3.9	9.4	6.9
Open Reduction of Hip Fracture	59	5.1	6.8	3.6	11.9	12.9	5.6	11.9	17.0	6.9
Prostatectomy	160	3.7	1.3	1.7	5.0	3.2	1.9	6.9	5.3	2.3
Cholecystectomy	91	1.1	3.9	3.7	4.4	6.6	4.5	6.6	8.5	4.0
Hysterectomy	37	0.0	2.4	*	5.4	5.0	*	5.4	7.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GOOD SAMARITAN MEDICAL CENTER

800 Forest Ave
Zanesville, OH 43701

Medicare Provider Number: 360039

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,897	10.1	9.4	0.8	14.9	13.9	1.0	18.1	17.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	82	26.8	28.1	6.0	29.3	31.1	5.7	34.1	34.4	5.3
Congestive Heart Failure	106	17.9	15.5	4.5	24.5	23.5	4.8	33.0	30.0	6.3
Pneumonia/Influenza	137	17.5	16.6	3.4	21.2	22.8	4.3	24.8	27.5	4.7
Chronic Obstructive Pulmonary Disease	58	6.9	6.5	3.6	12.1	12.0	4.3	15.5	16.9	5.1
Transient Cerebral Ischemia	25	0.0	1.5	*	0.0	3.2	*	4.0	5.1	*
Stroke	76	19.7	20.0	4.6	22.4	26.2	5.6	27.6	30.6	5.7
Hip Fracture	46	10.9	5.9	*	17.4	11.0	*	21.7	14.5	*
Sepsis	28	21.4	30.2	*	25.0	37.1	*	28.6	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.7	*	14.3	5.6	*	28.6	8.4	*
Carotid Endarterectomy	11	9.1	1.4	*	9.1	2.7	*	9.1	4.1	*
Hip Replacement/Reconstruction	27	7.4	2.9	*	7.4	5.4	*	14.8	7.2	*
Open Reduction of Hip Fracture	10	10.0	5.7	*	10.0	11.0	*	10.0	14.9	*
Prostatectomy	35	0.0	1.2	*	0.0	3.1	*	2.9	5.2	*
Cholecystectomy	47	2.1	1.5	*	4.3	2.6	*	4.3	3.5	*
Hysterectomy	17	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 326
Occupancy Rate 57
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 118
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GOOD SAMARITAN MEDICAL CENTER

Medicare Provider Number: 360039

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,984	10.2	9.1	0.9	15.2	13.5	1.4	18.2	17.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	67	31.3	31.2	5.8	37.3	34.8	6.2	43.3	38.6	7.2
Congestive Heart Failure	86	12.8	14.6	4.3	19.8	22.4	5.3	29.1	28.9	5.4
Pneumonia/Influenza	168	17.3	16.7	3.1	25.6	23.0	3.9	29.2	28.0	3.6
Chronic Obstructive Pulmonary Disease	60	8.3	6.3	4.4	10.0	10.9	5.1	10.0	15.0	8.0
Transient Cerebral Ischemia	40	0.0	2.0	*	0.0	4.3	*	2.5	6.8	*
Stroke	78	24.4	20.3	5.7	28.2	26.9	5.2	33.3	31.8	5.5
Hip Fracture	44	4.5	5.6	*	11.4	10.3	*	11.4	13.4	*
Sepsis	29	20.7	26.6	*	20.7	33.8	*	24.1	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	12.3	*	9.1	16.9	*	27.3	21.7	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
Hip Replacement/Reconstruction	24	4.2	4.3	*	8.3	8.5	*	8.3	11.4	*
Open Reduction of Hip Fracture	17	0.0	4.5	*	11.8	8.9	*	11.8	11.9	*
Prostatectomy	28	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	41	2.4	1.5	*	4.9	3.0	*	4.9	4.1	*
Hysterectomy	13	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,004	11.0	7.7	0.8	15.7	12.0	0.9	19.1	15.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	71	38.0	25.8	7.7	40.8	29.0	7.2	42.3	32.5	6.7
Congestive Heart Failure	83	20.5	14.4	5.0	28.9	22.2	5.6	33.7	28.8	5.7
Pneumonia/Influenza	130	17.7	14.6	5.1	24.6	20.7	5.9	27.7	25.6	6.2
Chronic Obstructive Pulmonary Disease	55	9.1	6.0	3.8	21.8	11.1	7.4	27.3	15.3	8.6
Transient Cerebral Ischemia	35	0.0	1.7	*	5.7	3.8	*	5.7	6.2	*
Stroke	72	19.4	17.9	5.0	27.8	24.9	6.0	29.2	29.8	5.4
Hip Fracture	47	4.3	4.0	*	8.5	7.9	*	10.6	10.8	*
Sepsis	22	22.7	25.3	*	31.8	32.1	*	31.8	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	3.3	*	13.3	6.2	*	20.0	9.0	*
Carotid Endarterectomy	3	0.0	0.9	*	0.0	1.6	*	0.0	2.2	*
Hip Replacement/Reconstruction	27	0.0	1.5	*	0.0	3.0	*	0.0	4.3	*
Open Reduction of Hip Fracture	18	0.0	3.0	*	11.1	6.3	*	11.1	8.9	*
Prostatectomy	56	1.8	1.0	2.8	3.6	2.5	4.9	8.9	4.2	5.4
Cholecystectomy	34	0.0	1.0	*	0.0	2.0	*	0.0	2.8	*
Hysterectomy	10	0.0	1.3	*	10.0	2.9	*	10.0	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GRACE HOSPITAL

2307 W 14th St
Cleveland, OH 44113

Medicare Provider Number: 360104

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	108	8.3	7.5	2.9	10.2	11.1	3.3	13.9	14.1	4.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	5	0.0	11.7	*	20.0	16.8	*	20.0	21.9	*
Pneumonia/Influenza	5	0.0	14.9	*	20.0	19.4	*	20.0	23.5	*
Chronic Obstructive Pulmonary Disease	6	0.0	9.5	*	0.0	16.6	*	0.0	22.7	*
Transient Cerebral Ischemia	2	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	1	100.0	21.3	*	100.0	32.0	*	100.0	37.7	*
Hip Fracture	1	0.0	4.5	*	0.0	8.0	*	0.0	10.4	*
Sepsis	3	33.3	39.0	*	33.3	44.7	*	33.3	48.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	5	0.0	1.0	*	0.0	2.6	*	0.0	4.4	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	87
Occupancy Rate	17
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	41
Percent of Physicians Board Certified Specialists	44
Medical Residents/Interns	0
Registered Nurses	30
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GRACE HOSPITAL

Medicare Provider Number: 360104

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	165	7.9	11.4	3.3	9.7	16.4	3.6	12.1	20.4	4.2
CONDITIONS:										
Acute Myocardial Infarction	5	20.0	24.4	*	20.0	27.0	*	20.0	30.3	*
Congestive Heart Failure	15	13.3	17.0	*	20.0	24.1	*	20.0	30.3	*
Pneumonia/Influenza	21	4.8	25.8	*	4.8	33.8	*	14.3	39.4	*
Chronic Obstructive Pulmonary Disease	8	12.5	9.9	*	12.5	15.7	*	12.5	20.6	*
Transient Cerebral Ischemia	2	0.0	1.9	*	0.0	3.8	*	0.0	5.7	*
Stroke	3	33.3	13.9	*	33.3	19.7	*	33.3	23.5	*
Hip Fracture	0									
Sepsis	6	16.7	27.3	*	33.3	38.3	*	33.3	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.8	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	2	0.0	0.8	*	0.0	1.3	*	0.0	1.8	*
Hysterectomy	1	0.0	1.1	*	0.0	2.4	*	0.0	3.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	161	11.8	10.3	3.6	17.4	15.4	4.1	20.5	19.3	4.5
CONDITIONS:										
Acute Myocardial Infarction	2	100.0	35.4	*	100.0	38.0	*	100.0	41.5	*
Congestive Heart Failure	13	30.8	20.9	*	38.5	30.9	*	46.2	38.2	*
Pneumonia/Influenza	13	0.0	16.0	*	7.7	20.8	*	7.7	24.8	*
Chronic Obstructive Pulmonary Disease	10	0.0	11.5	*	0.0	18.9	*	0.0	24.5	*
Transient Cerebral Ischemia	5	0.0	2.5	*	0.0	5.5	*	0.0	8.9	*
Stroke	0									
Hip Fracture	2	0.0	6.0	*	0.0	10.4	*	0.0	13.1	*
Sepsis	3	100.0	49.5	*	100.0	62.1	*	100.0	68.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.6	*	0.0	10.1	*	0.0	12.8	*
Open Reduction of Hip Fracture	0									
Prostatectomy	4	0.0	3.6	*	0.0	8.1	*	0.0	12.2	*
Cholecystectomy	2	0.0	4.8	*	0.0	8.4	*	0.0	10.4	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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GRACE
HOSPITAL
3307 WEST 14th STREET • CLEVELAND, OHIO 44113-3698 • (216) 687-1500

MEDICARE PROVIDER NUMBER: 360104

In response to the Health Care Financing Agency's FY1989 Medicare Mortality Report, Grace Hospital has the following comments.

For FY 1989, Grace Hospital had seven (7) patient deaths occurring at the hospital. Two (2) were Instituitional deaths, occuring after 48 hours and five (5) were under 48 hours. Each death was reviewed for appropriate care given, at the Medical Record Committee. In each case, death was found to be inevitable. The Quality Assurance and Risk Management Committee's also review the death statistics to determine any trends.

In addition, our Quality Assurance, Utilization Review, Risk Management, and Medical Staff Committees all look at the appropriateness of care; concurrently and retrospectively.

After thorough review of HCFA's report, we have found the small percentage of cases is within an acceptable confidence range for our facility. Our observed rate is lower than the expected rate and our results are stable over time. The one diagnostic category which is dramatically over the expected rate can not be justly included, as there was only one case with this diagnosis.

A large portion of our facility's population includes patients from Nursing Homes and Do Not Resuscitate (DNR) status.

In conclusion, we feel Grace Hospital's mortality rate is within reason for the population and services it serves. Grace Hospital also strives to provide quality care on a continuous basis, to alleviate mortalities.

GRADY MEMORIAL HOSPITAL

561 W Central Ave
Delaware, OH 43015

Medicare Provider Number: 360210

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	795	11.8	9.3	1.6	16.5	13.7	1.8	20.0	17.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	29	24.1	26.2	*	34.5	29.2	*	34.5	32.3	*
Congestive Heart Failure	39	20.5	16.3	*	28.2	24.4	*	30.8	31.0	*
Pneumonia/Influenza	64	21.9	16.1	7.3	26.6	21.9	8.2	34.4	26.4	11.1
Chronic Obstructive Pulmonary Disease	6	16.7	7.3	*	33.3	11.7	*	66.7	15.7	*
Transient Cerebral Ischemia	12	8.3	1.9	*	25.0	4.3	*	25.0	6.8	*
Stroke	22	36.4	22.9	*	40.9	30.1	*	45.5	34.9	*
Hip Fracture	29	13.8	6.8	*	13.8	11.9	*	17.2	15.2	*
Sepsis	13	7.7	27.7	*	7.7	37.1	*	15.4	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.2	*	12.5	4.3	*	12.5	6.4	*
Carotid Endarterectomy	2	0.0	1.1	*	50.0	1.8	*	50.0	2.6	*
Hip Replacement/Reconstruction	12	8.3	3.7	*	8.3	6.7	*	8.3	8.6	*
Open Reduction of Hip Fracture	19	15.8	7.0	*	15.8	12.7	*	21.1	16.5	*
Prostatectomy	23	0.0	0.8	*	0.0	2.0	*	4.3	3.4	*
Cholecystectomy	13	0.0	1.9	*	0.0	3.1	*	0.0	3.8	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	117
Occupancy Rate	34
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	94
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GRADY MEMORIAL HOSPITAL

Medicare Provider Number: 360210

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	809	14.1	9.8	1.8	19.5	14.3	2.3	22.5	17.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	30	26.7	31.9	*	33.3	35.0	*	40.0	38.2	*
Congestive Heart Failure	42	33.3	16.2	*	40.5	24.8	*	40.5	31.9	*
Pneumonia/Influenza	57	28.1	18.8	9.0	36.8	25.4	9.9	40.4	30.4	8.8
Chronic Obstructive Pulmonary Disease	17	17.6	9.9	*	17.6	16.7	*	23.5	22.0	*
Transient Cerebral Ischemia	12	0.0	2.6	*	0.0	5.7	*	0.0	8.9	*
Stroke	41	29.3	23.8	*	43.9	30.2	*	51.2	35.0	*
Hip Fracture	25	0.0	7.2	*	12.0	12.5	*	16.0	15.6	*
Sepsis	4	0.0	32.1	*	0.0	38.6	*	0.0	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	2.8	*	12.5	5.1	*	12.5	7.5	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.7	*	0.0	2.5	*
Hip Replacement/Reconstruction	12	0.0	6.5	*	8.3	12.2	*	16.7	15.4	*
Open Reduction of Hip Fracture	14	0.0	6.6	*	14.3	12.1	*	14.3	15.4	*
Prostatectomy	28	3.6	0.7	*	7.1	1.7	*	7.1	2.9	*
Cholecystectomy	13	0.0	2.6	*	0.0	4.2	*	0.0	5.1	*
Hysterectomy	5	0.0	0.5	*	0.0	0.8	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	893	10.0	10.0	1.0	16.3	14.9	1.5	20.4	18.8	1.9
CONDITIONS:										
Acute Myocardial Infarction	40	22.5	31.8	*	27.5	34.7	*	32.5	37.8	*
Congestive Heart Failure	50	16.0	17.2	*	30.0	25.8	*	36.0	32.7	*
Pneumonia/Influenza	70	10.0	19.7	7.0	17.1	26.6	6.9	28.6	32.0	5.9
Chronic Obstructive Pulmonary Disease	13	0.0	7.5	*	7.7	13.3	*	7.7	18.1	*
Transient Cerebral Ischemia	21	0.0	2.9	*	9.5	6.4	*	9.5	10.3	*
Stroke	30	26.7	23.4	*	40.0	30.0	*	46.7	34.9	*
Hip Fracture	29	10.3	8.7	*	20.7	14.7	*	24.1	18.3	*
Sepsis	2	50.0	34.4	*	50.0	40.6	*	50.0	47.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	1.8	*	28.6	4.0	*	28.6	6.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.3	*	14.3	10.1	*	28.6	13.1	*
Open Reduction of Hip Fracture	20	5.0	8.1	*	15.0	14.2	*	15.0	18.0	*
Prostatectomy	24	0.0	1.0	*	0.0	2.5	*	8.3	4.3	*
Cholecystectomy	18	0.0	1.6	*	5.6	2.7	*	5.6	3.4	*
Hysterectomy	7	14.3	1.9	*	14.3	2.8	*	14.3	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

123.1

GRADY
MEMORIAL
HOSPITAL

January 10, 1991

Health Standards and Quality Bureau
Health Care Financing Administration
Attention: Mrs. Sandra Kappart
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappart:

This letter is in response to Medicare Hospital Mortality information provided us for the years 1987, 1988, and 1989.

With regards to the data, we note the number of cases or deaths were too small to permit satisfactory estimation of the standard deviation in all but two categories (All Causes and Pneumonia/ Influenza). Using the standard deviation of 95%, our rates were within the confidence interval with the exception of All Causes for 1988. In that category, the data exceeded the confidence interval by less than one percent for the 30, 90, and 180 days.

We wish to point out that some patients included in the mortality data were in the Do Not Resuscitate category and your data does not reflect this information.

Another area that is not reflected is the patient who has an Acute Care admission and becomes a Hospice patient. If the Acute Care admission is randomly selected, the death will be included in the hospital mortality data.

We have other concerns regarding the data as it relates to referrals to Tertiary Care facilities and admissions from nursing homes. The Tertiary Care facilities (referral hospitals) often perform the majority of invasive therapies and re-transfer the patient back to the referring facility or to a nursing home. Does this data reflect this aspect of Tertiary Care activity? Also, our county nursing homes receive a large number of patients from Franklin County hospitals. Since we are the only hospital in the county, we receive these patients in all conditions. Some of these patients might be Do Not Resuscitate status and others may be in the later acute phase of their illness. We believe that both of these aspects of data presentation must be taken into consideration with regard to our facility's Mortality data.

Grady Memorial Hospital
561 West Central Avenue
Delaware, Ohio 43015
614/369-8711

In conclusion, we suggest that the inclusion of these deaths in the mortality data may skew the opportunity to be within the 95% confidence interval.

Regarding the data in which the number of cases were too small to permit satisfactory estimation of the standard deviation; further study of hip fractures and strokes has been determined appropriate by the Medical Executive Committee.

Thank you for the opportunity to comment on the data. We feel this data demonstrates that our hospital and medical staff are providing high quality medical care.

Sincerely,

John L. Binkhorst M.D.
Chief of Staff

Everett P. Weber, Jr.
Executive Director

JLB/EPW:jel

GRANDVIEW HOSPITAL & MEDICAL CENTER

405 Grand Ave
Dayton, OH 45405

Medicare Provider Number: 360133

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,268	7.3	8.2	0.7	12.4	12.6	0.7	15.7	16.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	42	28.6	22.3	*	31.0	25.5	*	33.3	28.6	*
Congestive Heart Failure	139	12.9	13.3	3.1	21.6	20.4	4.0	26.6	26.6	3.8
Pneumonia/Influenza	110	18.2	16.3	3.7	30.9	22.0	5.9	34.5	26.6	6.0
Chronic Obstructive Pulmonary Disease	29	6.9	4.8	*	10.3	9.0	*	10.3	12.8	*
Transient Cerebral Ischemia	46	0.0	2.1	*	4.3	4.6	*	6.5	7.2	*
Stroke	80	17.5	22.6	8.6	26.2	29.0	7.1	32.5	33.4	6.0
Hip Fracture	37	2.7	5.6	*	8.1	10.0	*	10.8	13.0	*
Sepsis	24	20.8	21.5	*	29.2	26.9	*	37.5	31.7	*
PROCEDURES:										
Angioplasty	14	0.0	1.7	*	0.0	2.4	*	0.0	3.4	*
Coronary Artery Bypass Graft	24	4.2	5.5	*	16.7	8.6	*	16.7	10.7	*
Initial Pacemaker Insertion	21	0.0	2.9	*	4.8	5.9	*	4.8	8.8	*
Carotid Endarterectomy	24	0.0	1.5	*	4.2	2.9	*	4.2	4.3	*
Hip Replacement/Reconstruction	35	2.9	3.5	*	2.9	6.6	*	2.9	9.0	*
Open Reduction of Hip Fracture	21	4.8	5.2	*	14.3	9.4	*	19.0	12.2	*
Prostatectomy	37	0.0	0.8	*	0.0	1.8	*	5.4	2.9	*
Cholecystectomy	44	0.0	2.0	*	2.3	3.6	*	4.5	4.7	*
Hysterectomy	14	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 452
Occupancy Rate 59
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 170
Percent of Physicians Board Certified Specialists 67
Medical Residents/Interns 80
Registered Nurses 288
Licensed Practical Nurses 58

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GRANDVIEW HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 360133

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,350	7.3	8.4	0.7	12.7	12.8	0.7	15.8	16.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	60	31.7	28.5	6.9	43.3	31.6	7.5	43.3	34.9	7.7
Congestive Heart Failure	124	8.9	14.0	5.4	16.1	21.4	4.9	24.2	27.7	4.8
Pneumonia/Influenza	93	20.4	17.5	4.2	31.2	23.8	5.4	34.4	28.7	5.9
Chronic Obstructive Pulmonary Disease	36	16.7	6.8	*	22.2	12.3	*	27.8	16.4	*
Transient Cerebral Ischemia	45	0.0	1.7	*	0.0	3.5	*	2.2	5.3	*
Stroke	83	12.0	19.1	5.6	18.1	25.5	6.2	19.3	29.9	7.6
Hip Fracture	47	10.6	5.4	*	14.9	10.2	*	19.1	13.3	*
Sepsis	16	25.0	29.7	*	31.3	38.8	*	31.3	45.0	*
PROCEDURES:										
Angioplasty	10	10.0	6.0	*	10.0	7.0	*	10.0	8.1	*
Coronary Artery Bypass Graft	29	6.9	6.9	*	10.3	10.3	*	10.3	12.2	*
Initial Pacemaker Insertion	17	0.0	5.7	*	5.9	8.8	*	11.8	11.4	*
Carotid Endarterectomy	24	0.0	1.5	*	4.2	2.9	*	4.2	4.3	*
Hip Replacement/Reconstruction	33	6.1	3.1	*	9.1	6.1	*	9.1	8.2	*
Open Reduction of Hip Fracture	24	8.3	5.1	*	12.5	9.8	*	20.8	13.1	*
Prostatectomy	41	0.0	0.9	*	2.4	2.2	*	4.9	3.5	*
Cholecystectomy	34	2.9	1.5	*	5.9	2.9	*	5.9	4.1	*
Hysterectomy	12	0.0	0.9	*	0.0	2.2	*	0.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,256	8.9	9.2	0.7	14.1	13.9	0.7	17.8	17.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	54	40.7	31.3	7.2	48.1	34.3	8.0	50.0	37.5	8.0
Congestive Heart Failure	107	19.6	16.5	4.8	24.3	24.7	5.5	32.7	31.6	4.9
Pneumonia/Influenza	100	16.0	17.2	4.0	24.0	23.2	4.3	28.0	28.0	4.5
Chronic Obstructive Pulmonary Disease	34	11.8	9.1	*	20.6	15.3	*	26.5	20.3	*
Transient Cerebral Ischemia	51	0.0	1.9	2.5	3.9	3.8	2.8	5.9	5.9	3.3
Stroke	93	14.0	24.2	7.1	25.8	31.4	5.8	33.3	36.0	5.4
Hip Fracture	49	8.2	6.5	*	12.2	11.8	*	14.3	15.1	*
Sepsis	21	23.8	29.9	*	33.3	40.6	*	42.9	47.4	*
PROCEDURES:										
Angioplasty	7	14.3	2.8	*	14.3	3.7	*	14.3	5.0	*
Coronary Artery Bypass Graft	23	4.3	8.2	*	13.0	10.4	*	13.0	11.6	*
Initial Pacemaker Insertion	27	3.7	5.6	*	7.4	9.7	*	11.1	13.3	*
Carotid Endarterectomy	21	0.0	2.0	*	0.0	4.0	*	0.0	5.9	*
Hip Replacement/Reconstruction	47	8.5	2.7	*	12.8	5.1	*	12.8	6.8	*
Open Reduction of Hip Fracture	24	8.3	6.5	*	8.3	12.3	*	12.5	15.9	*
Prostatectomy	41	0.0	1.1	*	2.4	2.6	*	2.4	4.4	*
Cholecystectomy	41	0.0	3.3	*	2.4	5.1	*	2.4	6.3	*
Hysterectomy	16	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GRANT MEDICAL CENTER

111 S Grant Ave
Columbus, OH 43215

Medicare Provider Number: 360017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,596	7.7	8.0	0.8	11.7	12.2	1.0	14.8	15.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	58	27.6	28.7	6.5	36.2	31.6	7.5	37.9	34.8	7.1
Congestive Heart Failure	124	16.1	13.5	3.8	22.6	20.8	3.9	27.4	27.1	4.1
Pneumonia/Influenza	77	18.2	15.5	4.8	23.4	21.1	5.4	26.0	25.4	5.0
Chronic Obstructive Pulmonary Disease	31	12.9	7.8	*	22.6	13.2	*	22.6	18.1	*
Transient Cerebral Ischemia	29	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	66	13.6	21.6	6.8	19.7	27.5	7.5	21.2	31.9	8.9
Hip Fracture	29	6.9	7.3	*	10.3	13.2	*	10.3	17.2	*
Sepsis	25	12.0	25.8	*	20.0	34.6	*	28.0	40.2	*
PROCEDURES:										
Angioplasty	64	1.6	2.5	3.2	1.6	3.4	3.4	1.6	4.2	3.7
Coronary Artery Bypass Graft	87	11.5	5.3	3.9	12.6	7.3	3.9	14.9	8.7	4.4
Initial Pacemaker Insertion	18	5.6	3.4	*	5.6	6.2	*	5.6	8.5	*
Carotid Endarterectomy	19	5.3	1.2	*	5.3	2.3	*	10.5	3.2	*
Hip Replacement/Reconstruction	20	5.0	2.9	*	15.0	5.2	*	15.0	6.8	*
Open Reduction of Hip Fracture	11	9.1	8.0	*	9.1	15.4	*	9.1	20.5	*
Prostatectomy	42	0.0	1.1	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	34	11.8	4.5	*	14.7	7.8	*	17.6	10.0	*
Hysterectomy	12	0.0	0.6	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	398
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	310
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	40
Registered Nurses	500
Licensed Practical Nurses	58

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

GRANT MEDICAL CENTER

Medicare Provider Number: 360017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,902	6.4	8.5	0.9	12.7	13.2	1.2	15.8	16.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	77	15.6	31.8	7.7	23.4	35.1	7.6	26.0	38.8	7.1
Congestive Heart Failure	117	13.7	15.1	3.4	27.4	23.2	4.7	29.9	30.1	4.2
Pneumonia/Influenza	57	12.3	18.7	6.0	28.1	26.0	6.2	35.1	31.2	6.4
Chronic Obstructive Pulmonary Disease	36	11.1	8.4	*	16.7	14.5	*	25.0	19.7	*
Transient Cerebral Ischemia	38	5.3	2.1	*	10.5	4.4	*	15.8	6.8	*
Stroke	73	8.2	20.8	7.1	16.4	27.1	6.9	21.9	31.7	7.0
Hip Fracture	25	4.0	6.8	*	16.0	12.6	*	16.0	16.5	*
Sepsis	41	24.4	28.7	*	34.1	37.4	*	36.6	43.2	*
PROCEDURES:										
Angioplasty	41	0.0	3.9	*	0.0	4.7	*	0.0	5.6	*
Coronary Artery Bypass Graft	97	9.3	7.0	3.9	11.3	9.4	4.2	14.4	10.8	6.0
Initial Pacemaker Insertion	18	5.6	3.0	*	5.6	5.4	*	5.6	7.8	*
Carotid Endarterectomy	20	0.0	1.9	*	0.0	3.7	*	5.0	5.5	*
Hip Replacement/Reconstruction	31	3.2	4.3	*	6.5	7.3	*	6.5	9.3	*
Open Reduction of Hip Fracture	10	0.0	5.2	*	0.0	10.2	*	0.0	13.7	*
Prostatectomy	82	0.0	1.3	1.8	0.0	2.7	2.6	3.7	4.3	3.1
Cholecystectomy	67	1.5	3.8	2.9	3.0	6.8	4.3	3.0	8.8	5.1
Hysterectomy	9	0.0	1.3	*	0.0	2.9	*	11.1	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,932	7.9	8.6	0.7	13.2	13.3	1.3	16.6	17.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	83	22.9	30.4	7.2	26.5	33.7	7.8	28.9	37.1	7.9
Congestive Heart Failure	91	18.7	15.2	5.3	26.4	23.1	6.6	31.9	29.8	6.8
Pneumonia/Influenza	88	17.0	14.6	4.4	22.7	20.3	5.5	29.5	24.7	8.2
Chronic Obstructive Pulmonary Disease	30	6.7	11.6	*	10.0	18.1	*	10.0	22.9	*
Transient Cerebral Ischemia	56	0.0	2.4	5.3	5.4	5.1	5.0	10.7	7.9	5.8
Stroke	85	16.5	22.2	5.2	21.2	28.5	6.2	22.4	33.2	7.0
Hip Fracture	44	11.4	7.8	*	22.7	13.8	*	31.8	17.5	*
Sepsis	54	20.4	26.0	11.3	33.3	35.4	11.8	40.7	41.7	7.1
PROCEDURES:										
Angioplasty	31	6.5	5.2	*	9.7	6.2	*	16.1	7.5	*
Coronary Artery Bypass Graft	78	9.0	8.0	4.8	14.1	10.5	6.6	17.9	12.0	8.2
Initial Pacemaker Insertion	29	3.4	2.6	*	6.9	5.4	*	10.3	8.2	*
Carotid Endarterectomy	26	0.0	1.8	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	22	0.0	4.7	*	13.6	8.6	*	18.2	11.0	*
Open Reduction of Hip Fracture	21	14.3	8.0	*	28.6	14.8	*	38.1	18.8	*
Prostatectomy	108	0.0	1.1	1.4	1.9	2.5	2.2	1.9	4.1	2.9
Cholecystectomy	50	4.0	5.5	*	10.0	10.1	*	14.0	13.5	*
Hysterectomy	13	0.0	0.8	*	0.0	1.8	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

127.1

GRANT MEDICAL CENTER

111 South Grant Avenue
Columbus, Ohio 43215

a U.S. Health affiliate

Telephone
(614) 461-3232

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

January 15, 1991
Medicare #360017

Dear Mrs. Kappert;

Thank you for allowing us to respond to the mortality data for Grant Medical Center in Columbus, Ohio which will be released in your upcoming publication. We would like to restate our position, as in previous years, that statistical data alone can not truly describe the actual quality of care delivered to a patient as it does not reflect the severity of the patient's illness. Hospitals who specialize in the care of patients with more complex cases will receive a higher number of cases where the severity and complexity of the patient's case will skew statistics. However, we do not argue that investigation of statistical variations is useful as one tool along with others for use in validating the quality of care standards.

Grant Medical Center is a 450 bed tertiary care referral center with specialty centers which include:

Digestive Disease Center which treats patients with digestive disease disorders and focuses on the care of unusual and complex diseases.

Oncology Services program which treats cancer patients referred to Grant for advanced protocols supported by the National Cancer Institute, Southwest Oncology Group, and Columbus Community Oncology Program.

Special Respiratory Unit supported by Board certified Pulmonologists for advanced care of patients with respiratory and ventilator dependent illnesses.

Cardiovascular Services Department which receives patients referred from outlying areas and provides a full range of interventional cardiology and open heart care.

These specialty centers are serviced by our emergency transport system which includes two helicopters who provide services for both trauma victims and patients too critically ill to travel by ground.

We closely examined our cases which were included in Medicare's report and calculated the actual mortality rate at 30 days against the predicted rate's standard deviation when possible. The case sample size in 11 categories was so small a standard deviation could not be calculated. In those 6 categories where a standard deviation existed, we were in comfortable positive position within all categories at the 95% confidence level. Additionally we were fully within the 75% confidence level for all categories grouped for patients within 30 days with only a small variance outside that level for our Coronary Artery Bypass Graft cases.

A case by case review of the mortality cases identified patients with very high severity of illness issues. A few examples found in the review are:

* Deaths in the cholecystectomy category were primarily patients who underwent surgery for radical abdominal procedures to treat cancers in the abdomen or other complicated body system diseases. All but one case fell into DRG's other than the one assigned for routine cholecystectomy cases. Our mortality rate for Medicare patients undergoing routine cholecystectomy is only 3.4%, well below the HCFA predicted rate of 4.5%.

* 66% of the patients who were grouped in the Chronic Obstructive Pulmonary Disease category and expired were severely ill, at the end-stage of their illness and had requested classification as "Do Not Resuscitate". Only 3 of the 12 deaths expired during their hospitalization. Case review revealed a large number of terminally ill patients who were referred here for advanced, expert respiratory care services.

* We measured our Coronary Artery Bypass mortalities against the nationally recognized Parsonette algorithm for surgical risk prediction and found our rate to be 2% better than expected. Close examination of the individual risk scores found that patients who expired fell into the poor to extremely high risk categories.

As these examples show, since Grant serves as a tertiary referral center, the patient mix is that of a severely ill and complex patient. The HCFA mortality model cannot accurately reflect this situation. In addition, we found that more than 50% of the mortality cases attributed to our hospital were deaths which occurred after the patient was discharged. These deaths may or may not be related to the admission reason and/or condition.

As an internal quality assurance mechanism at Grant Medical Center, every mortality case is reviewed by a peer group of physicians to assure that each patient received optimal care. This mechanism monitors quality care and serves as an educational basis for the active morbidity and mortality conferences regularly held by the Medical Staff. We feel that this process is more accurate than reliance upon statistical indicators to monitor the quality of care received by our patients.

Again, thank you for this opportunity for input.

Sincerely,

William W. Wilkins,
President and Chief Executive Officer

Benjamin C. Humphrey, M.D.
Chairman, Quality Review Committee

GREENE MEMORIAL HOSPITAL

1141 N Monroe Dr
Xenia, OH 45385

Medicare Provider Number: 360026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,131	9.9	9.5	1.2	13.9	13.8	1.0	18.1	17.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	24.1	*	39.3	26.9	*	42.9	30.0	*
Congestive Heart Failure	69	18.8	15.0	6.5	23.2	22.8	6.7	30.4	29.4	5.8
Pneumonia/Influenza	82	18.3	19.3	4.9	26.8	26.0	4.9	30.5	30.9	5.2
Chronic Obstructive Pulmonary Disease	17	5.9	8.1	*	5.9	14.6	*	5.9	19.9	*
Transient Cerebral Ischemia	21	0.0	2.0	*	9.5	4.4	*	14.3	7.0	*
Stroke	43	16.3	25.2	*	27.9	30.9	*	34.9	35.3	*
Hip Fracture	39	10.3	6.7	*	12.8	12.1	*	17.9	15.7	*
Sepsis	17	29.4	34.9	*	35.3	41.4	*	41.2	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.6	*	0.0	8.2	*	0.0	11.5	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	10	0.0	4.6	*	10.0	9.6	*	20.0	13.7	*
Open Reduction of Hip Fracture	26	11.5	6.3	*	11.5	11.6	*	15.4	15.0	*
Prostatectomy	55	1.8	0.8	1.4	5.5	2.0	2.6	9.1	3.5	4.1
Cholecystectomy	14	0.0	2.2	*	0.0	3.6	*	7.1	4.5	*
Hysterectomy	13	0.0	0.9	*	0.0	2.0	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 216
Occupancy Rate 55
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 99
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 0
Registered Nurses 139
Licensed Practical Nurses 20

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

GREENE MEMORIAL HOSPITAL

Medicare Provider Number: 360026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,235	10.8	9.9	1.2	15.1	14.5	1.1	18.9	18.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	35	28.6	30.6	*	28.6	34.4	*	31.4	38.3	*
Congestive Heart Failure	82	17.1	13.9	4.8	25.6	21.0	6.6	31.7	27.1	6.8
Pneumonia/Influenza	71	16.9	19.0	6.3	21.1	25.1	8.8	25.4	29.9	9.0
Chronic Obstructive Pulmonary Disease	20	0.0	8.5	*	15.0	13.4	*	20.0	17.3	*
Transient Cerebral Ischemia	37	0.0	2.1	*	0.0	4.6	*	8.1	7.3	*
Stroke	47	29.8	22.2	*	29.8	28.6	*	38.3	33.3	*
Hip Fracture	49	18.4	8.4	*	28.6	15.5	*	32.7	20.0	*
Sepsis	11	36.4	38.4	*	54.5	46.0	*	63.6	51.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	40.0	18.7	*	40.0	25.0	*	40.0	29.7	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	4	0.0	5.0	*	0.0	9.9	*	0.0	13.2	*
Open Reduction of Hip Fracture	39	15.4	6.9	*	25.6	13.3	*	30.8	17.5	*
Prostatectomy	58	1.7	1.1	1.7	3.4	2.5	2.7	3.4	4.0	2.7
Cholecystectomy	15	0.0	1.4	*	0.0	2.4	*	0.0	3.2	*
Hysterectomy	9	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,103	11.4	9.7	1.3	17.1	14.4	1.9	20.3	18.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	28	42.9	32.5	*	50.0	35.2	*	53.6	38.4	*
Congestive Heart Failure	81	23.5	16.4	5.1	38.3	24.4	7.4	44.4	31.0	7.8
Pneumonia/Influenza	69	23.2	16.9	8.0	31.9	22.5	10.1	36.2	27.3	11.0
Chronic Obstructive Pulmonary Disease	9	11.1	9.8	*	22.2	15.3	*	22.2	19.7	*
Transient Cerebral Ischemia	23	0.0	1.9	*	8.7	4.1	*	17.4	6.5	*
Stroke	50	22.0	25.0	*	28.0	32.0	*	30.0	36.8	*
Hip Fracture	43	4.7	5.8	*	9.3	11.1	*	14.0	14.7	*
Sepsis	10	20.0	38.2	*	60.0	49.0	*	70.0	56.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	4.6	*	16.7	8.8	*	16.7	12.5	*
Carotid Endarterectomy	5	20.0	1.3	*	20.0	2.5	*	20.0	3.6	*
Hip Replacement/Reconstruction	7	0.0	3.9	*	0.0	7.7	*	0.0	10.5	*
Open Reduction of Hip Fracture	31	3.2	5.5	*	9.7	11.0	*	12.9	14.9	*
Prostatectomy	39	0.0	1.3	*	0.0	3.2	*	0.0	5.4	*
Cholecystectomy	8	12.5	1.2	*	12.5	2.1	*	12.5	2.7	*
Hysterectomy	10	0.0	0.9	*	10.0	2.1	*	10.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

129.1

1141 N. MONROE DRIVE, XENIA, OHIO 45385 / Telephone 372-8011

GREENE MEMORIAL HOSPITAL, INC.

Medicare Provider Number: 360026

January 4, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Greene Memorial Hospital has received its Medicare Mortality Data for 1989. The data has been reviewed and verified to the extent possible. The following comments are offered:

1) Based on HCFA's mortality data, Greene Memorial Hospital has demonstrated a consistent improvement in quality of patient care. There has been a decrease in the overall mortality rate for all timeframes reported during each of the three years.

	30 days	90 days	180 days
1987	11.4	17.1	20.3
1988	10.8	15.1	18.9
1989	9.9	13.9	18.1

2) In order to facilitate hospitals in evaluating their "predicted rate" most accurately, HCFA calculated standard deviations. A standard deviation could be calculated by HCFA only if their sample of Medicare cases and/or deaths was of adequate size.

Greene Memorial is within one standard deviation in all categories for which a standard deviation was provided by HCFA.

Medicare Provider Number: 360026

3) Of the deaths reported, 33.9% occurred during hospitalization, with the vast majority (66.1%) occurring after discharge from the hospital. This includes 24.3% deaths occurring 1-60 days after discharge, and the remaining 41.8% occurring 61-516 days post discharge. It is noted that 16% of the total deaths occurred over 180 days after discharge. Obviously, as more time elapses after hospitalization it is more difficult to attribute death to that prior hospitalization.

4) A review of the discharge diagnoses of the patients who died within the hospital revealed no trends or quality concerns.

5) The average age of the total Medicare patients who died was 78.2 years.

The additional data provided by HCFA is appreciated. However, for a community hospital without an expert statistician available, the information was difficult to interpret as presented. We would recommend that HCFA provide this information with clear, easy-to-understand statistical examples.

Sincerely,

Michael R. Stephens
Executive Vice President

MRS:pal

GREENFIELD AREA MEDICAL CENTER

545 South Street
Greenfield, OH 45123

Medicare Provider Number: 360186

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	275	12.4	9.2	2.1	16.7	14.1	2.3	21.1	18.2	2.5
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	23.6	*	36.4	27.1	*	54.5	30.6	*
Congestive Heart Failure	31	25.8	13.5	*	29.0	20.9	*	32.3	27.4	*
Pneumonia/Influenza	29	10.3	15.8	*	13.8	21.3	*	27.6	25.9	*
Chronic Obstructive Pulmonary Disease	18	5.6	5.3	*	5.6	10.2	*	11.1	14.7	*
Transient Cerebral Ischemia	12	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	14	28.6	17.6	*	35.7	23.2	*	35.7	27.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	5	0.0	3.3	*	0.0	5.4	*	0.0	7.0	*
Hysterectomy	1	0.0	0.4	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	36
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	7
Percent of Physicians Board Certified Specialists	43
Medical Residents/Interns	0
Registered Nurses	25
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GREENFIELD AREA MEDICAL CENTER

Medicare Provider Number: 360186

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	296	8.4	9.8	1.9	14.9	14.7	2.9	18.6	18.7	2.3
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	27.0	*	42.9	30.0	*	57.1	32.8	*
Congestive Heart Failure	28	17.9	15.1	*	25.0	23.3	*	35.7	29.9	*
Pneumonia/Influenza	29	10.3	17.7	*	20.7	23.7	*	24.1	28.3	*
Chronic Obstructive Pulmonary Disease	20	0.0	7.4	*	10.0	13.5	*	10.0	18.7	*
Transient Cerebral Ischemia	8	0.0	1.5	*	0.0	3.3	*	0.0	5.1	*
Stroke	16	0.0	18.3	*	0.0	24.0	*	0.0	28.5	*
Hip Fracture	0									
Sepsis	4	25.0	43.1	*	50.0	53.3	*	75.0	59.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	1.9	*	0.0	2.8	*	0.0	3.4	*
Hysterectomy	2	0.0	0.8	*	0.0	1.9	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	266	9.4	8.2	1.8	14.7	12.9	2.6	18.0	16.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	17	41.2	18.1	*	47.1	20.8	*	47.1	23.8	*
Congestive Heart Failure	18	5.6	18.6	*	11.1	28.0	*	16.7	35.2	*
Pneumonia/Influenza	10	20.0	20.5	*	30.0	28.2	*	30.0	34.1	*
Chronic Obstructive Pulmonary Disease	14	0.0	8.2	*	7.1	14.1	*	7.1	18.7	*
Transient Cerebral Ischemia	12	0.0	2.1	*	0.0	5.1	*	0.0	8.5	*
Stroke	15	20.0	18.5	*	20.0	23.9	*	26.7	27.9	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.3	*	0.0	6.6	*	0.0	12.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	1.1	*	0.0	1.8	*	0.0	2.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GUERNSEY MEMORIAL HOSPITAL

1341 N Clark Street
Cambridge, OH 43725

Medicare Provider Number: 360203

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,475	9.2	10.7	1.1	14.2	15.4	1.3	18.3	19.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	47	19.1	28.6	*	29.8	32.0	*	31.9	35.4	*
Congestive Heart Failure	86	18.6	18.3	4.4	29.1	28.1	6.2	37.2	35.7	5.3
Pneumonia/Influenza	142	14.1	19.2	6.1	23.2	25.4	4.8	28.9	30.2	4.1
Chronic Obstructive Pulmonary Disease	14	28.6	10.8	*	28.6	17.0	*	35.7	22.2	*
Transient Cerebral Ischemia	31	3.2	2.2	*	3.2	4.7	*	6.5	7.4	*
Stroke	66	7.6	20.2	6.6	16.7	26.1	7.3	21.2	30.4	6.5
Hip Fracture	42	19.0	7.8	*	19.0	13.1	*	28.6	16.4	*
Sepsis	28	14.3	30.3	*	28.6	36.6	*	32.1	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	8.0	*	25.0	10.4	*	25.0	12.4	*
Carotid Endarterectomy	1	0.0	2.6	*	0.0	5.1	*	0.0	8.0	*
Hip Replacement/Reconstruction	16	18.8	5.0	*	18.8	9.0	*	31.3	11.7	*
Open Reduction of Hip Fracture	24	12.5	7.6	*	12.5	13.3	*	20.8	16.7	*
Prostatectomy	37	0.0	0.9	*	2.7	2.1	*	2.7	3.4	*
Cholecystectomy	27	7.4	3.1	*	7.4	5.6	*	11.1	7.6	*
Hysterectomy	10	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 179
Occupancy Rate 58
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 37
Percent of Physicians Board Certified Specialists 46
Medical Residents/Interns 0
Registered Nurses 91
Licensed Practical Nurses 56

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

GUERNSEY MEMORIAL HOSPITAL

Medicare Provider Number: 360203

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,422	10.5	11.1	1.0	15.3	16.1	1.3	19.0	20.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	57	21.1	32.6	8.2	24.6	36.0	8.9	26.3	39.8	9.6
Congestive Heart Failure	61	18.0	18.2	4.9	29.5	26.8	6.9	36.1	33.9	6.7
Pneumonia/Influenza	115	19.1	18.9	4.0	25.2	25.1	4.1	26.1	30.0	5.0
Chronic Obstructive Pulmonary Disease	17	29.4	9.0	*	35.3	14.8	*	35.3	19.8	*
Transient Cerebral Ischemia	40	2.5	2.6	*	2.5	5.7	*	5.0	8.9	*
Stroke	68	16.2	22.7	6.7	20.6	28.9	8.2	22.1	33.5	10.0
Hip Fracture	34	11.8	7.1	*	14.7	12.5	*	17.6	15.7	*
Sepsis	27	25.9	33.2	*	33.3	41.3	*	44.4	47.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	5.0	*	0.0	7.4	*	0.0	10.0	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	19	15.8	5.6	*	15.8	10.6	*	15.8	13.7	*
Open Reduction of Hip Fracture	13	0.0	8.2	*	7.7	14.6	*	15.4	18.3	*
Prostatectomy	35	0.0	1.9	*	8.6	4.6	*	14.3	7.2	*
Cholecystectomy	32	3.1	2.8	*	3.1	4.8	*	6.3	6.1	*
Hysterectomy	10	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,430	9.5	11.5	1.0	14.4	16.3	1.3	18.4	20.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	70	24.3	30.1	7.8	24.3	33.2	7.9	27.1	36.5	8.5
Congestive Heart Failure	77	18.2	19.6	4.7	29.9	28.5	6.0	36.4	35.5	6.8
Pneumonia/Influenza	146	15.8	19.5	3.9	27.4	25.8	3.7	30.1	30.8	3.9
Chronic Obstructive Pulmonary Disease	12	16.7	13.1	*	16.7	21.2	*	16.7	27.1	*
Transient Cerebral Ischemia	36	0.0	1.9	*	0.0	4.2	*	0.0	6.6	*
Stroke	58	6.9	21.1	7.7	10.3	27.0	8.1	15.5	31.4	8.3
Hip Fracture	42	4.8	6.8	*	9.5	12.2	*	16.7	15.7	*
Sepsis	23	8.7	28.2	*	13.0	35.6	*	13.0	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.3	*	0.0	6.5	*	0.0	9.6	*
Carotid Endarterectomy	3	0.0	1.8	*	0.0	3.8	*	0.0	5.5	*
Hip Replacement/Reconstruction	18	5.6	5.8	*	5.6	11.0	*	16.7	14.6	*
Open Reduction of Hip Fracture	21	4.8	6.1	*	9.5	11.5	*	14.3	15.0	*
Prostatectomy	48	4.2	1.1	*	4.2	2.7	*	6.3	4.4	*
Cholecystectomy	39	0.0	1.7	*	0.0	3.2	*	0.0	4.4	*
Hysterectomy	7	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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GUERNSEY MEMORIAL HOSPITAL

Jack R. Taylor
President
and
Chief Executive Officer

1341 North Clark Street
P. O. Box 610
Cambridge, Ohio 43725
Phone (614) 439-3561

Medicare Provider #360203

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert and Health Care Financing Administration:

We at Guernsey Memorial Hospital have carefully reviewed our annual Medicare hospital mortality information as received from HCFA.

Through that review we would like to make known that only sixty-one (61) of the deaths occurred within thirty days of discharge from our hospital; one-hundred and eighty-three (183) deaths occurred at least 30 days after discharge from our hospital.

In addition, there are at least eighty-five (85) deaths that occurred which were not related to the principal hospital discharge diagnosis which we would like to address. Please see the attached pages 2 and 3.

We would also appreciate your response to our concerns for the deaths more than thirty days after discharge and deaths unrelated to the hospital principal diagnosis.

Sincerely,

John P Haun, M.D. P.S.

John P. Haun, M.D.
Medical Director

H B MAGRUDER MEMORIAL HOSPITAL

615 Fulton St
Port Clinton, OH 43452

Medicare Provider Number: 360114

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	652	8.9	9.8	1.6	12.9	14.1	2.2	15.5	17.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	31.6	*	27.8	35.3	*	33.3	39.0	*
Congestive Heart Failure	38	26.3	15.5	*	36.8	23.8	*	39.5	30.6	*
Pneumonia/Influenza	45	8.9	16.1	*	15.6	21.8	*	17.8	26.3	*
Chronic Obstructive Pulmonary Disease	14	7.1	7.9	*	7.1	12.2	*	7.1	16.2	*
Transient Cerebral Ischemia	15	0.0	1.8	*	0.0	4.1	*	0.0	6.5	*
Stroke	28	28.6	19.0	*	39.3	25.3	*	42.9	29.7	*
Hip Fracture	8	0.0	7.6	*	0.0	12.8	*	12.5	15.9	*
Sepsis	4	25.0	25.0	*	25.0	30.6	*	25.0	35.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.4	*	0.0	4.5	*	0.0	6.6	*
Carotid Endarterectomy	11	0.0	1.6	*	0.0	3.0	*	9.1	4.3	*
Hip Repiacement/Reconstruction	10	0.0	5.3	*	0.0	8.7	*	10.0	10.5	*
Open Reduction of Hip Fracture	5	0.0	5.5	*	0.0	9.7	*	0.0	12.6	*
Prostatectomy	16	6.3	0.7	*	6.3	1.6	*	6.3	2.7	*
Cholecystectomy	10	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hysterectomy	3	0.0	2.5	*	0.0	5.4	*	0.0	7.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 71
Occupancy Rate 48
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 31
Percent of Physicians Board Certified Specialists 35
Medical Residents/Interns 0
Registered Nurses 53
Licensed Practical Nurses 37

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

H B MAGRUDER MEMORIAL HOSPITAL

Medicare Provider Number: 360114

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	787	8.0	8.5	1.3	11.7	12.5	1.3	16.1	15.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	40	35.0	29.3	*	40.0	33.2	*	50.0	36.9	*
Congestive Heart Failure	26	11.5	14.7	*	23.1	22.7	*	38.5	29.7	*
Pneumonia/Influenza	37	16.2	18.2	*	21.6	24.0	*	32.4	28.7	*
Chronic Obstructive Pulmonary Disease	14	7.1	7.6	*	7.1	12.3	*	7.1	16.6	*
Transient Cerebral Ischemia	15	0.0	2.0	*	0.0	4.0	*	0.0	6.2	*
Stroke	27	14.8	19.8	*	18.5	25.4	*	22.2	29.6	*
Hip Fracture	11	0.0	5.0	*	0.0	9.5	*	0.0	12.7	*
Sepsis	10	20.0	33.8	*	40.0	39.9	*	40.0	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	50.0	16.3	*	50.0	23.3	*	50.0	29.4	*
Carotid Endarterectomy	11	0.0	1.9	*	18.2	3.5	*	18.2	5.0	*
Hip Replacement/Reconstruction	10	0.0	3.1	*	10.0	6.2	*	10.0	8.4	*
Open Reduction of Hip Fracture	0									
Prostatectomy	20	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	7	0.0	2.4	*	0.0	4.6	*	0.0	6.6	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	746	7.4	6.7	1.1	10.6	10.1	1.2	13.3	13.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	28	17.9	26.2	*	21.4	29.3	*	28.6	32.6	*
Congestive Heart Failure	22	9.1	15.6	*	13.6	23.6	*	22.7	30.4	*
Pneumonia/Influenza	32	15.6	14.7	*	18.8	19.8	*	18.8	23.9	*
Chronic Obstructive Pulmonary Disease	13	23.1	8.9	*	30.8	14.3	*	30.8	18.4	*
Transient Cerebral Ischemia	16	0.0	2.4	*	0.0	5.0	*	6.3	7.7	*
Stroke	24	41.7	18.4	*	45.8	24.9	*	45.8	29.3	*
Hip Fracture	6	0.0	4.9	*	16.7	9.0	*	16.7	12.0	*
Sepsis	11	9.1	22.1	*	27.3	27.4	*	27.3	32.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.4	*	0.0	5.7	*	0.0	7.2	*
Carotid Endarterectomy	10	10.0	1.7	*	10.0	3.4	*	10.0	5.0	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	5	0.0	4.5	*	20.0	8.8	*	20.0	11.7	*
Prostatectomy	19	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	10	0.0	0.9	*	0.0	1.5	*	0.0	2.1	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HARDIN MEMORIAL HOSPITAL

921 E Franklin Street
Kenton, OH 43326

Medicare Provider Number: 360176

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	514	11.5	10.6	1.5	16.0	15.4	1.6	20.0	19.1	1.9
CONDITIONS:										
Acute Myocardial Infarction	22	27.3	30.8	*	27.3	34.1	*	27.3	37.6	*
Congestive Heart Failure	38	15.8	15.9	*	26.3	23.6	*	28.9	29.9	*
Pneumonia/Influenza	32	18.8	17.5	*	25.0	23.8	*	31.3	28.5	*
Chronic Obstructive Pulmonary Disease	9	11.1	5.0	*	11.1	10.0	*	11.1	14.6	*
Transient Cerebral Ischemia	10	0.0	2.1	*	0.0	4.5	*	10.0	7.0	*
Stroke	14	21.4	19.2	*	21.4	25.5	*	21.4	29.8	*
Hip Fracture	18	5.6	7.2	*	16.7	12.7	*	16.7	16.3	*
Sepsis	16	25.0	30.6	*	31.3	37.3	*	56.3	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	17	5.9	6.4	*	17.6	11.8	*	17.6	15.5	*
Prostatectomy	27	0.0	0.6	*	3.7	1.4	*	3.7	2.3	*
Cholecystectomy	12	0.0	1.8	*	0.0	3.0	*	0.0	3.8	*
Hysterectomy	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 51
Occupancy Rate 55
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 17
Percent of Physicians Board Certified Specialists 82
Medical Residents/Interns 0
Registered Nurses 46
Licensed Practical Nurses 12

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HARDIN MEMORIAL HOSPITAL

Medicare Provider Number: 360176

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	576	12.5	10.1	1.7	16.1	14.5	1.8	18.9	18.0	1.8
CONDITIONS:										
Acute Myocardial Infarction	31	32.3	32.0	*	35.5	35.5	*	35.5	39.0	*
Congestive Heart Failure	31	19.4	15.3	*	29.0	24.7	*	32.3	32.3	*
Pneumonia/Influenza	27	22.2	17.7	*	25.9	24.0	*	37.0	28.7	*
Chronic Obstructive Pulmonary Disease	5	20.0	9.1	*	20.0	14.7	*	40.0	19.7	*
Transient Cerebral Ischemia	16	0.0	2.5	*	0.0	5.8	*	0.0	9.3	*
Stroke	19	26.3	18.6	*	26.3	25.0	*	42.1	29.5	*
Hip Fracture	16	6.3	5.7	*	6.3	10.1	*	6.3	13.0	*
Sepsis	19	36.8	32.5	*	42.1	38.6	*	42.1	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	16.0	*	0.0	19.4	*	0.0	22.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	15	6.7	4.9	*	6.7	9.1	*	6.7	12.0	*
Prostatectomy	27	0.0	2.6	*	3.7	3.8	*	3.7	5.2	*
Cholecystectomy	13	0.0	0.9	*	0.0	1.5	*	0.0	2.0	*
Hysterectomy	6	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	573	11.3	9.0	1.5	16.6	13.6	1.8	20.8	17.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	12	33.3	24.3	*	33.3	27.1	*	33.3	30.2	*
Congestive Heart Failure	38	10.5	13.7	*	21.1	21.4	*	28.9	27.9	*
Pneumonia/Influenza	25	20.0	22.5	*	28.0	29.9	*	48.0	35.4	*
Chronic Obstructive Pulmonary Disease	11	9.1	7.1	*	18.2	11.9	*	18.2	15.6	*
Transient Cerebral Ischemia	13	0.0	2.0	*	7.7	4.4	*	15.4	7.0	*
Stroke	27	25.9	23.1	*	25.9	30.7	*	29.6	35.7	*
Hip Fracture	28	3.6	7.5	*	3.6	13.4	*	7.1	17.3	*
Sepsis	12	25.0	32.8	*	41.7	38.2	*	41.7	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	6.1	*	50.0	13.9	*	50.0	21.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	24	4.2	6.9	*	4.2	12.8	*	8.3	16.6	*
Prostatectomy	18	0.0	0.5	*	5.6	1.2	*	5.6	2.0	*
Cholecystectomy	13	7.7	4.3	*	7.7	7.7	*	15.4	10.1	*
Hysterectomy	5	0.0	0.4	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HARRISON COMMUNITY HOSPITAL

951 East Market Street
Cadiz, OH 43907

Medicare Provider Number: 360231

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	318	13.8	12.6	2.3	22.3	17.9	2.9	24.8	21.9	2.7
CONDITIONS:										
Acute Myocardial Infarction	24	45.8	27.4	*	45.8	31.1	*	50.0	34.6	*
Congestive Heart Failure	27	7.4	17.1	*	18.5	25.9	*	18.5	32.8	*
Pneumonia/Influenza	18	27.8	22.5	*	44.4	29.6	*	44.4	34.8	*
Chronic Obstructive Pulmonary Disease	8	0.0	16.8	*	12.5	23.4	*	12.5	28.3	*
Transient Cerebral Ischemia	15	0.0	2.4	*	0.0	5.1	*	0.0	7.8	*
Stroke	12	50.0	25.5	*	75.0	31.4	*	75.0	35.9	*
Hip Fracture	10	10.0	5.3	*	10.0	9.7	*	10.0	13.0	*
Sepsis	3	0.0	27.7	*	0.0	40.5	*	0.0	47.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	3.8	*	50.0	6.9	*	50.0	9.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	4.9	*	12.5	9.4	*	12.5	12.7	*
Open Reduction of Hip Fracture	1	0.0	5.0	*	0.0	9.3	*	0.0	12.5	*
Prostatectomy	3	0.0	5.8	*	33.3	14.7	*	33.3	23.7	*
Cholecystectomy	8	0.0	2.2	*	0.0	3.8	*	0.0	4.8	*
Hysterectomy	4	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	48
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	46
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	32
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HARRISON COMMUNITY HOSPITAL

Medicare Provider Number: 360231

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	326	16.0	12.7	2.5	21.2	18.0	2.7	23.3	22.1	2.4
CONDITIONS:										
Acute Myocardial Infarction	20	40.0	29.3	*	40.0	32.6	*	40.0	36.0	*
Congestive Heart Failure	22	36.4	19.1	*	40.9	29.1	*	40.9	36.9	*
Pneumonia/Influenza	20	30.0	21.2	*	40.0	27.7	*	45.0	32.6	*
Chronic Obstructive Pulmonary Disease	7	0.0	9.0	*	14.3	14.9	*	14.3	20.3	*
Transient Cerebral Ischemia	11	0.0	1.9	*	9.1	3.7	*	9.1	5.6	*
Stroke	12	16.7	39.8	*	16.7	45.5	*	16.7	50.2	*
Hip Fracture	11	27.3	10.0	*	36.4	17.7	*	45.5	22.4	*
Sepsis	3	33.3	20.4	*	33.3	24.5	*	33.3	29.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.2	*	0.0	2.6	*	0.0	4.0	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	3.9	*	0.0	5.8	*
Hip Replacement/Reconstruction	8	12.5	9.6	*	25.0	18.3	*	37.5	23.5	*
Open Reduction of Hip Fracture	1	100.0	11.2	*	100.0	19.0	*	100.0	23.2	*
Prostatectomy	4	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*
Cholecystectomy	8	0.0	1.0	*	0.0	2.0	*	0.0	2.8	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	309	12.3	12.4	2.1	18.4	17.5	2.4	21.4	21.6	2.4
CONDITIONS:										
Acute Myocardial Infarction	14	35.7	29.3	*	50.0	32.1	*	50.0	35.4	*
Congestive Heart Failure	21	9.5	18.3	*	14.3	28.0	*	19.0	35.6	*
Pneumonia/Influenza	14	14.3	22.2	*	21.4	30.0	*	28.6	36.0	*
Chronic Obstructive Pulmonary Disease	5	20.0	7.1	*	20.0	11.7	*	20.0	15.9	*
Transient Cerebral Ischemia	6	0.0	3.0	*	0.0	7.0	*	0.0	11.2	*
Stroke	20	35.0	33.3	*	45.0	40.5	*	50.0	45.6	*
Hip Fracture	7	0.0	6.9	*	14.3	12.5	*	14.3	16.3	*
Sepsis	3	0.0	32.0	*	33.3	39.4	*	33.3	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	15.5	*	0.0	21.3	*	0.0	23.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	6.2	*	33.3	12.1	*	33.3	16.3	*
Open Reduction of Hip Fracture	3	0.0	6.6	*	0.0	12.0	*	0.0	15.3	*
Prostatectomy	3	0.0	0.9	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	6	0.0	1.9	*	0.0	3.3	*	0.0	4.2	*
Hysterectomy	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HENRY COUNTY HOSPITAL

11-600 State Rd 424
Napoleon, OH 43545

Medicare Provider Number: 360165

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	333	9.9	7.7	2.2	15.9	12.0	3.2	18.0	15.4	3.8
CONDITIONS:										
Acute Myocardial Infarction	8	50.0	27.9	*	62.5	30.6	*	62.5	33.9	*
Congestive Heart Failure	21	19.0	16.6	*	42.9	26.2	*	42.9	33.9	*
Pneumonia/Influenza	17	11.8	12.1	*	17.6	16.7	*	17.6	20.5	*
Chronic Obstructive Pulmonary Disease	9	11.1	6.5	*	22.2	13.2	*	33.3	18.4	*
Transient Cerebral Ischemia	6	0.0	1.4	*	0.0	3.2	*	0.0	5.2	*
Stroke	8	25.0	22.7	*	25.0	29.0	*	25.0	33.4	*
Hip Fracture	19	10.5	4.2	*	10.5	8.2	*	10.5	11.2	*
Sepsis	1	0.0	16.1	*	0.0	19.9	*	0.0	24.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	22.7	*	50.0	33.6	*	50.0	40.1	*
Carotid Endarterectomy	1	0.0	2.0	*	0.0	4.0	*	0.0	5.3	*
Hip Replacement/Reconstruction	6	0.0	1.6	*	0.0	3.2	*	0.0	4.6	*
Open Reduction of Hip Fracture	14	14.3	4.2	*	14.3	8.5	*	14.3	11.8	*
Prostatectomy	9	0.0	0.7	*	11.1	1.6	*	11.1	2.9	*
Cholecystectomy	2	0.0	0.8	*	0.0	1.2	*	0.0	1.6	*
Hysterectomy	2	0.0	0.6	*	0.0	1.2	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 47
Occupancy Rate 36
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HENRY COUNTY HOSPITAL

Medicare Provider Number: 360165

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	330	9.4	7.5	2.0	15.5	11.9	2.6	17.9	15.4	2.5
CONDITIONS:										
Acute Myocardial Infarction	11	45.5	30.7	*	45.5	34.3	*	45.5	38.1	*
Congestive Heart Failure	21	28.6	16.8	*	42.9	25.9	*	42.9	33.1	*
Pneumonia/Influenza	14	21.4	14.7	*	28.6	20.7	*	28.6	25.2	*
Chronic Obstructive Pulmonary Disease	5	0.0	4.0	*	0.0	8.2	*	0.0	11.9	*
Transient Cerebral Ischemia	10	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke	13	30.8	23.1	*	46.2	30.5	*	46.2	35.4	*
Hip Fracture	11	0.0	5.1	*	9.1	9.8	*	18.2	13.2	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	2.0	*	0.0	4.0	*	0.0	5.4	*
Open Reduction of Hip Fracture	6	0.0	4.4	*	16.7	9.1	*	33.3	13.0	*
Prostatectomy	9	0.0	0.5	*	0.0	1.3	*	0.0	2.3	*
Cholecystectomy	1	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*
Hysterectomy	1	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	304	14.5	9.1	2.4	19.7	13.7	2.9	22.7	17.3	2.8
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	30.3	*	36.4	33.8	*	45.5	37.4	*
Congestive Heart Failure	12	25.0	19.8	*	33.3	31.2	*	33.3	39.5	*
Pneumonia/Influenza	7	71.4	18.1	*	71.4	24.9	*	71.4	30.2	*
Chronic Obstructive Pulmonary Disease	7	0.0	12.9	*	28.6	20.1	*	28.6	24.6	*
Transient Cerebral Ischemia	8	0.0	2.2	*	0.0	4.8	*	0.0	7.8	*
Stroke	13	15.4	21.7	*	23.1	28.6	*	30.8	33.0	*
Hip Fracture	12	0.0	6.6	*	0.0	12.4	*	8.3	16.5	*
Sepsis	2	100.0	45.6	*	100.0	52.6	*	100.0	60.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	1.6	*	16.7	3.5	*	16.7	5.1	*
Open Reduction of Hip Fracture	9	0.0	5.9	*	0.0	11.7	*	11.1	15.7	*
Prostatectomy	8	0.0	1.0	*	0.0	2.6	*	0.0	4.4	*
Cholecystectomy	6	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*
Hysterectomy	1	0.0	1.1	*	0.0	2.6	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HIGHLAND DISTRICT HOSPITAL

1275 N High St
Hillsboro, OH 45133

Medicare Provider Number: 360142

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	282	9.6	10.0	1.8	16.0	15.1	2.3	20.9	19.2	3.7
CONDITIONS:										
Acute Myocardial Infarction	11	45.5	31.1	*	54.5	34.6	*	54.5	38.3	*
Congestive Heart Failure	16	12.5	17.2	*	12.5	26.7	*	31.3	34.3	*
Pneumonia/Influenza	22	9.1	12.2	*	18.2	17.1	*	18.2	21.0	*
Chronic Obstructive Pulmonary Disease	7	0.0	3.2	*	0.0	6.1	*	28.6	9.0	*
Transient Cerebral Ischemia	5	0.0	2.5	*	0.0	5.8	*	20.0	9.5	*
Stroke	17	11.8	17.2	*	17.6	22.3	*	23.5	26.5	*
Hip Fracture	0									
Sepsis	1	0.0	33.6	*	0.0	38.0	*	0.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	1.6	*	0.0	4.4	*	0.0	7.9	*
Cholecystectomy	4	0.0	3.1	*	0.0	5.7	*	0.0	7.7	*
Hysterectomy	1	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	34
Occupancy Rate	41
Ownership/Control	District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians	15
Percent of Physicians Board Certified Specialists	53
Medical Residents/Interns	0
Registered Nurses	28
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HIGHLAND DISTRICT HOSPITAL

Medicare Provider Number: 360142

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	295	12.5	10.9	2.1	16.3	16.1	2.2	19.7	20.2	2.5
CONDITIONS:										
Acute Myocardial Infarction	10	30.0	31.8	*	40.0	36.4	*	40.0	40.8	*
Congestive Heart Failure	18	5.6	15.6	*	11.1	24.0	*	22.2	31.1	*
Pneumonia/Influenza	34	17.6	16.5	*	20.6	22.6	*	23.5	27.1	*
Chronic Obstructive Pulmonary Disease	7	14.3	9.8	*	28.6	16.3	*	28.6	21.9	*
Transient Cerebral Ischemia	7	0.0	1.7	*	0.0	3.7	*	14.3	5.8	*
Stroke	15	60.0	25.9	*	60.0	31.6	*	60.0	36.3	*
Hip Fracture	1	0.0	22.0	*	0.0	37.0	*	0.0	45.9	*
Sepsis	2	0.0	32.1	*	50.0	41.5	*	50.0	48.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	19.3	*	0.0	34.2	*	0.0	43.3	*
Prostatectomy	1	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*
Cholecystectomy	10	0.0	2.8	*	0.0	4.9	*	0.0	6.2	*
Hysterectomy	2	0.0	1.2	*	0.0	2.9	*	0.0	4.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	296	13.2	10.9	2.2	18.9	16.0	2.5	24.0	20.0	3.0
CONDITIONS:										
Acute Myocardial Infarction	17	35.3	28.9	*	47.1	33.0	*	52.9	37.0	*
Congestive Heart Failure	19	5.3	13.3	*	10.5	20.1	*	15.8	26.1	*
Pneumonia/Influenza	32	25.0	17.4	*	37.5	23.6	*	43.8	28.8	*
Chronic Obstructive Pulmonary Disease	6	16.7	7.7	*	16.7	12.6	*	16.7	16.8	*
Transient Cerebral Ischemia	7	14.3	3.4	*	28.6	7.6	*	42.9	11.9	*
Stroke	13	23.1	23.1	*	30.8	29.6	*	46.2	34.7	*
Hip Fracture	0									
Sepsis	1	0.0	13.3	*	100.0	19.0	*	100.0	24.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	5	0.0	3.2	*	0.0	5.0	*	0.0	6.0	*
Hysterectomy	2	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOCKING VALLEY COMMUNITY HOSPITAL

State Route 664N Box966
Logan, OH 43138

Medicare Provider Number: 360106

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	495	10.3	9.7	1.4	13.7	14.2	1.6	15.6	17.9	2.0
CONDITIONS:										
Acute Myocardial Infarction	18	27.8	28.1	*	27.8	30.7	*	27.8	34.0	*
Congestive Heart Failure	37	18.9	14.1	*	27.0	21.8	*	27.0	28.3	*
Pneumonia/Influenza	34	14.7	16.0	*	23.5	21.6	*	26.5	26.3	*
Chronic Obstructive Pulmonary Disease	18	5.6	6.0	*	5.6	12.2	*	11.1	17.9	*
Transient Cerebral Ischemia	12	0.0	2.1	*	0.0	4.7	*	0.0	7.5	*
Stroke	16	31.3	18.7	*	37.5	24.1	*	37.5	28.3	*
Hip Fracture	4	0.0	7.4	*	0.0	14.3	*	50.0	19.3	*
Sepsis	6	0.0	25.9	*	33.3	35.1	*	33.3	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	3	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
Hip Replacement/Reconstruction	2	0.0	6.9	*	0.0	12.9	*	50.0	16.8	*
Open Reduction of Hip Fracture	1	0.0	5.2	*	0.0	10.2	*	100.0	13.7	*
Prostatectomy	10	0.0	1.0	*	0.0	2.2	*	0.0	3.5	*
Cholecystectomy	10	0.0	2.3	*	10.0	4.5	*	10.0	5.9	*
Hysterectomy	2	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 91
Occupancy Rate 55
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 27
Percent of Physicians Board Certified Specialists 59
Medical Residents/Interns 0
Registered Nurses 42
Licensed Practical Nurses 14

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HOCKING VALLEY COMMUNITY HOSPITAL

Medicare Provider Number: 360106

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	537	12.3	11.4	1.6	15.6	16.3	2.5	20.9	20.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	26	34.6	29.2	*	34.6	32.1	*	38.5	35.6	*
Congestive Heart Failure	35	14.3	17.4	*	25.7	26.5	*	34.3	33.6	*
Pneumonia/Influenza	30	6.7	14.7	*	6.7	20.1	*	13.3	24.5	*
Chronic Obstructive Pulmonary Disease	26	3.8	6.4	*	7.7	11.2	*	19.2	15.6	*
Transient Cerebral Ischemia	7	0.0	2.5	*	0.0	5.4	*	0.0	8.7	*
Stroke	16	18.8	23.4	*	25.0	29.3	*	25.0	33.9	*
Hip Fracture	0									
Sepsis	7	28.6	29.5	*	28.6	36.1	*	28.6	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	4	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*
Cholecystectomy	14	7.1	1.8	*	7.1	3.2	*	7.1	4.2	*
Hysterectomy	5	0.0	4.0	*	0.0	8.9	*	0.0	12.9	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	516	12.4	11.5	1.6	15.7	16.5	2.4	21.1	20.6	2.4
CONDITIONS:										
Acute Myocardial Infarction	21	47.6	33.8	*	47.6	37.2	*	52.4	40.8	*
Congestive Heart Failure	34	14.7	18.8	*	26.5	28.6	*	35.3	36.4	*
Pneumonia/Influenza	47	10.6	14.4	*	14.9	19.6	*	25.5	24.0	*
Chronic Obstructive Pulmonary Disease	15	0.0	9.4	*	6.7	16.7	*	13.3	22.2	*
Transient Cerebral Ischemia	8	12.5	2.5	*	12.5	5.6	*	12.5	8.9	*
Stroke	26	19.2	20.0	*	19.2	26.4	*	23.1	31.0	*
Hip Fracture	8	12.5	8.4	*	25.0	14.7	*	37.5	18.5	*
Sepsis	17	17.6	32.3	*	23.5	39.8	*	29.4	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.9	*	0.0	10.0	*	0.0	13.7	*
Open Reduction of Hip Fracture	7	14.3	7.6	*	28.6	14.0	*	42.9	17.8	*
Prostatectomy	6	16.7	1.3	*	16.7	3.1	*	16.7	5.2	*
Cholecystectomy	22	4.5	3.5	*	4.5	5.0	*	4.5	6.3	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOLZER MEDICAL CENTER

385 Jackson Pike
Gallipolis, OH 45631

Medicare Provider Number: 360054

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,889	9.1	9.4	0.8	14.7	14.2	0.9	18.4	17.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	56	42.9	27.5	9.9	42.9	30.5	9.5	44.6	33.8	8.8
Congestive Heart Failure	87	11.5	15.0	5.7	21.8	23.6	5.1	27.6	30.5	5.5
Pneumonia/Influenza	129	14.7	16.5	3.6	27.9	22.8	4.4	32.6	27.6	5.2
Chronic Obstructive Pulmonary Disease	15	0.0	4.6	*	0.0	8.0	*	6.7	11.1	*
Transient Cerebral Ischemia	31	6.5	1.9	*	6.5	4.2	*	6.5	6.6	*
Stroke	62	19.4	19.8	6.7	25.8	26.1	5.7	25.8	30.4	7.8
Hip Fracture	43	7.0	8.0	*	9.3	13.8	*	16.3	17.5	*
Sepsis	21	23.8	25.3	*	52.4	34.3	*	57.1	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	10.0	4.0	*	15.0	7.7	*	25.0	11.2	*
Carotid Endarterectomy	6	0.0	1.7	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	21	14.3	4.6	*	19.0	8.8	*	28.6	12.1	*
Open Reduction of Hip Fracture	12	0.0	9.0	*	0.0	15.9	*	8.3	20.2	*
Prostatectomy	73	0.0	0.8	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	55	1.8	1.9	2.4	5.5	3.0	3.7	5.5	3.8	4.4
Hysterectomy	21	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	269
Occupancy Rate	47
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	59
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	174
Licensed Practical Nurses	52

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HOLZER MEDICAL CENTER

Medicare Provider Number: 360054

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,923	8.5	9.9	1.1	13.8	14.9	1.1	17.5	18.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	69	33.3	28.2	8.4	34.8	31.0	7.8	37.7	34.2	7.3
Congestive Heart Failure	89	7.9	14.4	7.2	21.3	22.3	4.9	27.0	29.0	5.1
Pneumonia/Influenza	115	13.9	16.7	4.4	17.4	22.7	6.9	21.7	27.4	8.2
Chronic Obstructive Pulmonary Disease	13	7.7	5.3	*	23.1	9.5	*	30.8	13.5	*
Transient Cerebral Ischemia	31	0.0	2.3	*	0.0	5.0	*	0.0	7.8	*
Stroke	54	20.4	23.1	6.3	27.8	30.1	7.7	29.6	34.9	10.5
Hip Fracture	39	2.6	7.1	*	5.1	12.4	*	7.7	15.6	*
Sepsis	10	40.0	28.7	*	40.0	35.6	*	40.0	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	25.0	11.2	*	33.3	16.5	*	33.3	21.4	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	24	0.0	4.8	*	4.2	8.7	*	4.2	11.0	*
Open Reduction of Hip Fracture	16	6.3	6.4	*	12.5	11.5	*	12.5	14.6	*
Prostatectomy	89	0.0	0.9	1.3	1.1	2.2	1.8	1.1	3.6	2.8
Cholecystectomy	42	2.4	3.0	*	7.1	4.7	*	7.1	5.8	*
Hysterectomy	10	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,819	8.7	9.5	1.0	13.9	14.7	1.5	17.5	18.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	59	28.8	28.7	5.9	30.5	31.5	6.1	33.9	34.6	6.3
Congestive Heart Failure	111	23.4	16.7	6.1	33.3	25.5	7.8	39.6	32.7	6.8
Pneumonia/Influenza	86	14.0	16.0	5.0	20.9	21.8	4.8	26.7	26.5	5.3
Chronic Obstructive Pulmonary Disease	13	0.0	9.2	*	30.8	17.3	*	30.8	23.9	*
Transient Cerebral Ischemia	36	2.8	2.5	*	2.8	5.4	*	2.8	8.4	*
Stroke	62	11.3	20.5	7.7	19.4	27.7	8.3	21.0	32.5	8.3
Hip Fracture	39	2.6	8.0	*	10.3	14.2	*	12.8	18.0	*
Sepsis	17	29.4	28.0	*	29.4	37.8	*	35.3	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	3.5	*	5.0	7.0	*	15.0	10.1	*
Carotid Endarterectomy	9	0.0	2.5	*	0.0	5.1	*	0.0	7.5	*
Hip Replacement/Reconstruction	22	9.1	3.8	*	13.6	7.1	*	13.6	9.4	*
Open Reduction of Hip Fracture	7	0.0	10.7	*	0.0	18.6	*	14.3	22.9	*
Prostatectomy	68	4.4	1.0	2.4	5.9	2.5	3.0	5.9	4.1	3.6
Cholecystectomy	42	0.0	4.0	*	4.8	7.4	*	7.1	9.7	*
Hysterectomy	11	0.0	1.0	*	0.0	2.1	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOLZER MEDICAL CENTER

385 JACKSON PIKE, GALLIPOLIS, OHIO 45631

CHARLES I. ADKINS, JR.
PRESIDENT
AND
CHIEF EXECUTIVE OFFICER

(614) 446-5000

January 11, 1991

Mrs. Sandra Cappert
Health Standards & Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Dear Mrs. Cappert:

Thank you for the opportunity to comment on mortality data for Holzer Medical Center (provider #360054). Below please find our comments regarding hospital specific information:

I. Data Verification

A. Review of 1989 Hospital Characteristics:

Please note the following corrections for Holzer Medical Center:

1. Nursing staffing (includes part-time employees)

   a. R.N. totals: 202
   b. L.P.N. totals: 62

2. Occupancy: 48%.

B. Review of Fiscal Year 1989 Holzer Medical Center Discharge Statistics:

After careful analysis of mortality information specific to Holzer Medical Center, two cases were noted to have incorrect dates of death (see attachment).

No other errors were found.

C. Review of HMC Medicare Mortality Rates for Fiscal Years 1987-1989:

When using a statistical model "rule of thumb" as recommended by HCFA & AHA, at the 95% confidence interval (and related standard deviation computations), Holzer Medical Center's observed rates were within the expected mortality ranges for the eight diagnostic nine procedural and "all cause" categories.

II. Interpretative Remarks

Listed below are our concerns regarding the methodology used by HCFA to establish national mortality rates with minimal considerations for hospital characteristics, patient population and geographic location.

A. Lack of Consistent Methodology:

In the past several years, the mechanism (definition of diagnostic categories, time intervals, etc.) to determine predicted mortality rates has changed each year. Although the intent has been to improve the system, we feel it is more difficult to gauge the facilities' performance due to a lack of consistency and "moving target methodology".

B. Expansion of Analysis Time Frame:

We have commented in previous years regarding patients who have expired after being discharged from Holzer Medical Center (30 days post admission). This time frame has now been expanded to include 90 and 180 day intervals, which we feel diminishes our control of patient outcomes, especially in elderly Medicare patients.

After reviewing the major diagnostic and procedural categories for Holzer Medical Center, we have determined that 32% of the patients' deaths included in the statistics did not occur while the patient was hospitalized at our facility during this time frame.

C. Limitation of Patient Population Selected:

Based upon methodology used to determine the ranges, only 1,889 patients were included in the study. Our statistics reflected patient volume of 4,102 Medicare admissions in Fiscal Year '89.

This further skews mortality rates, when one considers that many of our patients have chronic conditions and are re-admitted frequently.

In summary, even with the limitations of the mortality information, Holzer Medical Center is encouraged by its performance. We will continue to provide this information to our Utilization Review and Quality Assurance Committees for further discussion and analysis. If you need any clarification on our response, please feel free to contact me at 614-446-5051.

Sincerely,

Thomas R. Childs,
Vice President for Fiscal Services

TRC/sg

Attachments

HURON ROAD HOSPITAL

13951 Terrace Rd
Cleveland, OH 44112

Medicare Provider Number: 360101

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,872	10.1	10.6	0.8	16.5	16.3	0.9	21.2	20.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	34	35.3	31.6	*	41.2	35.3	*	44.1	38.6	*
Congestive Heart Failure	126	9.5	16.0	4.9	19.8	24.8	4.7	28.6	31.9	4.5
Pneumonia/Influenza	65	24.6	18.9	9.1	33.8	25.9	12.1	38.5	30.9	11.7
Chronic Obstructive Pulmonary Disease	39	10.3	8.9	*	15.4	15.6	*	20.5	21.6	*
Transient Cerebral Ischemia	23	4.3	2.1	*	4.3	4.6	*	4.3	7.3	*
Stroke	65	7.7	19.2	7.5	13.8	26.4	8.6	18.5	31.0	8.4
Hip Fracture	23	4.3	7.0	*	8.7	12.6	*	8.7	16.3	*
Sepsis	36	33.3	31.3	*	55.6	42.4	*	55.6	48.8	*
PROCEDURES:										
Angioplasty	28	0.0	1.4	*	0.0	1.9	*	0.0	2.6	*
Coronary Artery Bypass Graft	71	9.9	5.1	4.2	11.3	7.4	4.7	12.7	8.9	4.8
Initial Pacemaker Insertion	12	0.0	2.6	*	0.0	4.9	*	8.3	7.1	*
Carotid Endarterectomy	9	0.0	1.5	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction	14	7.1	4.9	*	14.3	8.7	*	14.3	11.1	*
Open Reduction of Hip Fracture	12	8.3	6.0	*	8.3	10.9	*	8.3	14.1	*
Prostatectomy	62	4.8	1.2	2.7	8.1	3.0	4.0	11.3	5.0	5.2
Cholecystectomy	19	15.8	4.2	*	21.1	7.3	*	21.1	9.4	*
Hysterectomy	5	0.0	3.3	*	0.0	8.3	*	0.0	13.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 303
Occupancy Rate 64
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 167
Percent of Physicians Board Certified Specialists 59
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

HURON ROAD HOSPITAL

Medicare Provider Number: 360101

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,907	10.3	10.4	0.7	16.5	16.0	0.9	21.3	20.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	44	36.4	30.2	*	38.6	33.7	*	40.9	37.3	*
Congestive Heart Failure	125	13.6	15.8	5.8	24.0	24.5	5.7	31.2	31.5	4.2
Pneumonia/Influenza	65	30.8	20.5	8.8	33.8	28.0	10.0	43.1	33.2	10.6
Chronic Obstructive Pulmonary Disease	33	3.0	9.3	*	6.1	15.5	*	12.1	20.7	*
Transient Cerebral Ischemia	28	0.0	2.4	*	3.6	5.0	*	3.6	7.7	*
Stroke	67	23.9	22.6	7.5	38.8	29.3	8.1	40.3	33.9	8.5
Hip Fracture	32	12.5	8.2	*	18.8	15.2	*	25.0	19.5	*
Sepsis	22	45.5	29.4	*	59.1	38.8	*	63.6	45.0	*
PROCEDURES:										
Angioplasty	14	7.1	2.1	*	7.1	2.8	*	7.1	3.8	*
Coronary Artery Bypass Graft	47	6.4	5.9	*	6.4	8.2	*	8.5	9.6	*
Initial Pacemaker Insertion	13	15.4	7.7	*	15.4	11.8	*	15.4	15.4	*
Carotid Endarterectomy	15	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	16	18.8	7.4	*	31.3	14.2	*	31.3	18.3	*
Open Reduction of Hip Fracture	14	0.0	6.0	*	0.0	11.8	*	7.1	15.9	*
Prostatectomy	65	1.5	1.1	1.4	3.1	2.7	2.1	3.1	4.5	2.8
Cholecystectomy	20	0.0	3.4	*	10.0	6.3	*	20.0	8.3	*
Hysterectomy	3	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,056	10.5	10.7	1.0	16.5	16.2	1.0	20.6	20.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	60	30.0	33.0	8.5	33.3	37.3	7.4	38.3	41.0	6.9
Congestive Heart Failure	117	11.1	17.4	5.2	19.7	26.5	5.6	26.5	33.6	6.3
Pneumonia/Influenza	56	19.6	17.8	6.7	26.8	24.2	6.0	26.8	29.0	6.4
Chronic Obstructive Pulmonary Disease	49	20.4	11.9	*	26.5	19.5	*	28.6	25.2	*
Transient Cerebral Ischemia	19	5.3	2.7	*	5.3	6.1	*	5.3	9.8	*
Stroke	74	16.2	18.9	8.1	21.6	25.8	6.5	29.7	30.2	5.5
Hip Fracture	36	13.9	7.5	*	16.7	13.2	*	22.2	16.8	*
Sepsis	30	30.0	30.7	*	53.3	39.1	*	53.3	45.6	*
PROCEDURES:										
Angioplasty	6	0.0	3.7	*	0.0	4.3	*	0.0	5.1	*
Coronary Artery Bypass Graft	58	6.9	6.5	3.9	8.6	8.9	4.6	8.6	10.3	4.6
Initial Pacemaker Insertion	14	7.1	3.5	*	7.1	7.0	*	7.1	10.3	*
Carotid Endarterectomy	20	0.0	1.9	*	0.0	3.7	*	0.0	5.3	*
Hip Replacement/Reconstruction	28	7.1	4.4	*	7.1	8.0	*	14.3	10.4	*
Open Reduction of Hip Fracture	14	7.1	7.9	*	14.3	14.1	*	14.3	17.9	*
Prostatectomy	63	0.0	1.4	2.4	4.8	3.4	2.5	6.3	5.6	3.0
Cholecystectomy	24	8.3	4.1	*	8.3	6.9	*	8.3	8.2	*
Hysterectomy	10	0.0	1.2	*	0.0	2.6	*	10.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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MERIDIA
HURON
HOSPITAL

December 17, 1990

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

To Whom It May Concern:

Meridia Huron Hospital has undertaken a thorough review of the Medicare Hospital Mortality Rates for Fiscal years 1989, 1988 and 1987. While the Health Care Financing Administration has attempted a "risk adjustment," the data available for this purpose is insufficient. Although the data tables this year include Mortality Rates for 90 and 180 days; the significance of this data with respect to certain procedures (i.e. Cholecystectomy) is unclear.

As a matter of routine course, Meridia Huron Hospital undertakes a Quality Management review of all deaths occurring within the Hospital. This is but one of many indicators that the Hospital has in place to monitor the quality of care delivered to our patients. Meridia Huron Hospital is committed to the provision of quality care. We view the HCFA Mortality Data as a screening tool to be utilized in identifying areas requiring further study through the peer review process in place of the Hospital.

Sincerely,

Joseph W. Ferguson
President, Chief Operating Officer

JWF:dgt

13951 Terrace Road
Cleveland, Ohio 44112
(216) 761-3300

JEWISH HOSPITAL KENWOOD

8000 Kenwood Road
Cincinnati, OH 45236

Medicare Provider Number: 360124

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	345	7.5	9.2	1.9	13.3	13.5	2.3	17.1	17.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	11	27.3	37.6	*	45.5	41.1	*	54.5	44.4	*
Congestive Heart Failure	16	6.3	14.8	*	12.5	23.5	*	31.3	30.5	*
Pneumonia/Influenza	18	11.1	15.8	*	16.7	21.7	*	22.2	26.3	*
Chronic Obstructive Pulmonary Disease	7	0.0	4.0	*	0.0	7.0	*	0.0	9.7	*
Transient Cerebral Ischemia	1	0.0	2.2	*	0.0	4.8	*	0.0	7.5	*
Stroke	12	16.7	22.2	*	25.0	28.3	*	33.3	32.4	*
Hip Fracture	7	0.0	4.6	*	0.0	8.5	*	0.0	11.3	*
Sepsis	10	20.0	28.1	*	40.0	34.1	*	40.0	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.3	*	33.3	2.8	*	33.3	4.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	2.5	*	0.0	5.0	*	0.0	6.8	*
Open Reduction of Hip Fracture	3	0.0	4.9	*	0.0	9.1	*	0.0	12.0	*
Prostatectomy	15	0.0	0.4	*	0.0	1.0	*	0.0	1.7	*
Cholecystectomy	7	0.0	1.3	*	0.0	2.4	*	0.0	3.2	*
Hysterectomy	6	0.0	4.5	*	0.0	8.8	*	0.0	11.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	37
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	88
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	40
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JEWISH HOSPITAL KENWOOD

Medicare Provider Number: 360124

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	349	9.5	9.6	1.8	13.5	14.2	2.0	17.2	17.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	30.4	*	25.0	32.7	*	50.0	35.7	*
Congestive Heart Failure	18	33.3	13.7	*	33.3	20.7	*	33.3	26.8	*
Pneumonia/Influenza	16	6.3	17.8	*	18.8	24.2	*	25.0	28.8	*
Chronic Obstructive Pulmonary Disease	7	0.0	3.8	*	0.0	7.6	*	0.0	11.2	*
Transient Cerebral Ischemia	8	12.5	2.4	*	12.5	4.8	*	12.5	7.5	*
Stroke	15	26.7	24.9	*	26.7	31.1	*	40.0	35.8	*
Hip Fracture	7	28.6	6.6	*	28.6	11.3	*	28.6	14.1	*
Sepsis	4	50.0	22.0	*	50.0	27.5	*	50.0	32.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	3.3	*	0.0	6.4	*	0.0	9.5	*
Hip Replacement/Reconstruction	6	0.0	1.5	*	0.0	2.6	*	0.0	3.4	*
Open Reduction of Hip Fracture	5	40.0	6.2	*	40.0	11.1	*	40.0	14.1	*
Prostatectomy	11	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	10	0.0	1.6	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	334	8.1	8.5	1.6	11.4	12.3	2.0	14.7	15.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	15	26.7	26.3	*	26.7	29.4	*	46.7	32.8	*
Congestive Heart Failure	13	7.7	15.7	*	15.4	23.5	*	23.1	30.2	*
Pneumonia/Influenza	18	5.6	14.7	*	16.7	20.4	*	16.7	25.0	*
Chronic Obstructive Pulmonary Disease	5	0.0	3.5	*	0.0	8.0	*	0.0	12.2	*
Transient Cerebral Ischemia	6	0.0	2.6	*	0.0	5.7	*	0.0	8.9	*
Stroke	13	15.4	17.7	*	15.4	24.3	*	23.1	28.7	*
Hip Fracture	6	0.0	6.6	*	0.0	12.4	*	0.0	16.1	*
Sepsis	3	66.7	23.3	*	66.7	29.8	*	66.7	35.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.0	*
Hip Replacement/Reconstruction	5	0.0	4.0	*	0.0	7.7	*	0.0	10.1	*
Open Reduction of Hip Fracture	2	0.0	6.7	*	0.0	13.4	*	0.0	18.1	*
Prostatectomy	13	0.0	1.5	*	7.7	3.8	*	15.4	6.5	*
Cholecystectomy	11	18.2	3.0	*	18.2	4.8	*	18.2	5.9	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JEWISH HOSPITAL OF CINCINNATI INC

3200 Burnet Ave
Cincinnati, OH 45229

Medicare Provider Number: 360016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,688	7.0	9.3	0.5	12.4	14.4	0.7	15.4	18.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	103	16.5	30.0	6.3	21.4	34.0	6.2	25.2	37.8	6.2
Congestive Heart Failure	178	14.0	18.2	4.1	27.5	27.6	3.4	33.1	35.0	4.7
Pneumonia/Influenza	152	16.4	21.7	4.4	27.6	28.8	3.7	32.2	34.1	4.2
Chronic Obstructive Pulmonary Disease	46	6.5	10.9	*	15.2	18.7	*	19.6	25.0	*
Transient Cerebral Ischemia	59	0.0	1.8	2.5	0.0	4.0	4.4	1.7	6.2	5.1
Stroke	110	14.5	20.6	5.5	21.8	27.5	5.3	23.6	32.1	6.4
Hip Fracture	78	7.7	7.7	3.1	16.7	13.9	5.1	21.8	18.1	7.2
Sepsis	40	27.5	28.2	*	27.5	37.1	*	30.0	42.8	*
PROCEDURES:										
Angioplasty	75	0.0	3.0	3.7	2.7	4.0	4.1	2.7	5.1	4.5
Coronary Artery Bypass Graft	80	5.0	5.5	3.2	6.3	7.9	3.8	6.3	9.4	4.3
Initial Pacemaker Insertion	28	0.0	3.4	*	3.6	6.6	*	3.6	9.8	*
Carotid Endarterectomy	32	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	53	0.0	3.0	4.3	3.8	5.6	5.8	9.4	7.5	5.5
Open Reduction of Hip Fracture	25	8.0	8.2	*	20.0	15.3	*	24.0	20.2	*
Prostatectomy	113	1.8	1.2	1.2	4.4	3.0	2.1	5.3	5.0	2.1
Cholecystectomy	57	5.3	4.7	3.6	10.5	8.9	4.4	12.3	11.7	5.0
Hysterectomy	39	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	592
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	448
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	27
Registered Nurses	402
Licensed Practical Nurses	76

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JEWISH HOSPITAL OF CINCINNATI INC

Medicare Provider Number: 360016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,842	7.9	9.5	0.6	13.0	14.7	0.8	16.4	18.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	86	20.9	33.1	8.2	25.6	36.8	8.3	27.9	40.6	7.9
Congestive Heart Failure	193	16.6	18.6	4.0	22.3	27.5	5.0	26.9	34.5	5.3
Pneumonia/Influenza	131	16.0	21.8	4.5	26.7	29.1	4.1	29.8	34.5	4.8
Chronic Obstructive Pulmonary Disease	64	15.6	10.7	5.8	28.1	17.9	7.8	29.7	23.8	6.6
Transient Cerebral Ischemia	62	1.6	2.2	*	3.2	4.7	*	3.2	7.4	*
Stroke	112	19.6	26.2	8.6	27.7	33.7	9.3	32.1	38.7	10.0
Hip Fracture	93	5.4	8.1	4.4	5.4	15.0	5.5	9.7	19.4	6.1
Sepsis	40	25.0	31.2	*	32.5	40.3	*	42.5	47.3	*
PROCEDURES:										
Angioplasty	40	2.5	2.5	*	2.5	3.1	*	2.5	3.9	*
Coronary Artery Bypass Graft	54	3.7	6.2	4.0	13.0	8.4	6.7	13.0	9.7	4.9
Initial Pacemaker Insertion	18	0.0	3.9	*	5.6	6.2	*	5.6	8.3	*
Carotid Endarterectomy	40	0.0	1.7	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	47	2.1	3.2	*	2.1	5.9	*	6.4	7.6	*
Open Reduction of Hip Fracture	51	5.9	7.3	4.9	5.9	14.3	7.0	7.8	19.1	8.7
Prostatectomy	104	2.9	1.6	1.6	4.8	3.3	2.2	6.7	5.3	2.7
Cholecystectomy	65	1.5	3.7	3.5	3.1	6.1	4.2	6.2	7.8	3.9
Hysterectomy	37	2.7	0.9	*	2.7	1.9	*	5.4	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,917	8.3	9.7	0.5	13.5	15.0	0.9	16.4	19.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	103	30.1	31.5	5.0	32.0	35.4	5.3	37.9	39.1	5.4
Congestive Heart Failure	161	14.9	17.7	3.8	25.5	26.6	3.7	31.7	33.8	4.6
Pneumonia/Influenza	128	18.8	20.7	3.8	25.0	27.6	4.2	25.8	32.9	5.7
Chronic Obstructive Pulmonary Disease	64	4.7	11.0	5.3	9.4	18.3	7.0	15.6	23.8	7.8
Transient Cerebral Ischemia	70	0.0	2.2	2.6	1.4	4.7	4.3	4.3	7.3	5.5
Stroke	134	17.9	23.6	6.2	23.1	30.4	5.2	27.6	35.2	5.7
Hip Fracture	78	9.0	6.6	4.7	14.1	12.0	4.2	15.4	15.7	4.5
Sepsis	43	34.9	30.0	*	48.8	39.1	*	51.2	46.1	*
PROCEDURES:										
Angioplasty	43	9.3	4.3	*	9.3	5.2	*	11.6	6.5	*
Coronary Artery Bypass Graft	50	6.0	7.0	*	6.0	10.6	*	12.0	12.9	*
Initial Pacemaker Insertion	17	0.0	2.1	*	0.0	3.9	*	0.0	5.8	*
Carotid Endarterectomy	27	0.0	1.5	*	0.0	2.8	*	3.7	4.1	*
Hip Replacement/Reconstruction	47	0.0	2.9	*	2.1	5.5	*	2.1	7.2	*
Open Reduction of Hip Fracture	40	5.0	6.4	*	7.5	12.2	*	10.0	16.2	*
Prostatectomy	116	2.6	1.3	1.5	5.2	3.3	2.2	6.0	5.4	2.3
Cholecystectomy	53	1.9	3.7	3.2	1.9	6.8	4.4	1.9	9.0	5.4
Hysterectomy	32	0.0	0.7	*	3.1	1.5	*	3.1	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

153.1

THE JEWISH HOSPITAL OF CINCINNATI

3200 Burnet Avenue • Cincinnati, Ohio 45229 • (513) 569-2000 • FAX 569-2426

Medicare Provider Number 360016

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Ms. Sandra Kappert

Dear Ms. Kappert,

Thank you for the opportunity to respond to your December 6, 1990 letter regarding mortality information relative to The Jewish Hospital of Cincinnati, Inc.

After reviewing the data sent to us, we offer the following commentary:

1.) We affirm that all the reported patients were, in fact, patients of The Jewish Hospital.

2.) In the area of All Causes out of 3,688 cases, we concur with the observed rate of 7.0 which is 2.3 less than the predicted rate. (The standard deviation is 0.5.)

3.) In All Conditions, The Jewish Hospital's observed mortality rate is less than the predicted mortality rate in the 30 day time period. In the 90 and 180 day time periods, one condition exceeded the rate - Hip Fracture. In a thorough review of each of these deaths, death occurred three - nine months after the admission for the hip fracture and death was not related the admission profiled.

4.) Under specific Procedures, Jewish Hospital's observed mortality was below the predicted mortality rate for the thirty day time period for the nine procedures categories with the exception of two procedures categories - Prostatectomy and Cholecyctectomy which fell well within the 75% confidence interval using a single standard deviation. In a thorough review of each of these deaths, death was not related the procedure profiled.

5.) All mortalities occurring in our facility are reviewed individually by the Medical Director. Conclusions, corrective actions taken and follow-up as warranted are monitored through the Quality Management Program.

6.) The Total Number of Physicians (Active and Associate Staff is 486 rather than 448 in your report.

Sincerely,

Thomas R Werner

Thomas Werner, M.D.
Senior Vice President, Medical Affairs

JOEL POMERENE MEMORIAL HOSPITAL

500 Wooster Road
Millersburg, OH 44654

Medicare Provider Number: 360148

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	336	12.8	11.1	1.8	17.0	16.7	2.2	18.8	20.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	11	45.5	33.7	*	45.5	37.7	*	45.5	41.7	*
Congestive Heart Failure	24	12.5	16.0	*	20.8	25.5	*	29.2	33.2	*
Pneumonia/Influenza	15	20.0	14.7	*	20.0	20.6	*	20.0	25.1	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.8	*	0.0	11.5	*	0.0	15.5	*
Transient Cerebral Ischemia	3	0.0	2.4	*	0.0	6.0	*	0.0	10.1	*
Stroke	17	17.6	16.0	*	23.5	21.5	*	23.5	25.7	*
Hip Fracture	31	9.7	6.9	*	12.9	13.0	*	12.9	17.3	*
Sepsis	6	16.7	21.6	*	33.3	26.0	*	33.3	31.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	7.7	5.5	*	7.7	10.5	*	7.7	14.2	*
Open Reduction of Hip Fracture	17	5.9	6.4	*	11.8	12.4	*	11.8	16.6	*
Prostatectomy	7	0.0	0.6	*	0.0	1.6	*	0.0	2.6	*
Cholecystectomy	3	0.0	4.0	*	0.0	7.2	*	0.0	9.2	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	55
Occupancy Rate	40
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	26
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	48
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JOEL POMERENE MEMORIAL HOSPITAL

Medicare Provider Number: 360148

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	362	13.3	10.0	2.2	17.4	14.6	2.3	20.7	18.1	2.5
CONDITIONS:										
Acute Myocardial Infarction	15	33.3	26.8	*	33.3	29.6	*	33.3	32.9	*
Congestive Heart Failure	26	11.5	14.1	*	15.4	21.4	*	23.1	27.8	*
Pneumonia/Influenza	19	15.8	12.8	*	21.1	17.8	*	36.8	21.9	*
Chronic Obstructive Pulmonary Disease	4	0.0	5.4	*	0.0	9.1	*	0.0	12.6	*
Transient Cerebral Ischemia	6	16.7	1.8	*	16.7	3.8	*	16.7	6.0	*
Stroke	19	10.5	16.1	*	10.5	21.9	*	10.5	26.1	*
Hip Fracture	22	9.1	5.1	*	13.6	9.7	*	13.6	12.9	*
Sepsis	11	18.2	22.5	*	18.2	28.1	*	27.3	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.7	*	0.0	10.4	*	0.0	14.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	25.0	4.3	*	25.0	8.4	*	25.0	11.3	*
Open Reduction of Hip Fracture	11	0.0	5.0	*	9.1	9.8	*	9.1	13.3	*
Prostatectomy	3	0.0	0.3	*	0.0	0.8	*	0.0	1.5	*
Cholecystectomy	4	0.0	1.8	*	0.0	3.2	*	0.0	4.1	*
Hysterectomy	5	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	323	16.7	9.0	3.0	19.5	13.5	2.4	23.5	17.0	2.7
CONDITIONS:										
Acute Myocardial Infarction	10	40.0	31.4	*	50.0	36.3	*	60.0	40.2	*
Congestive Heart Failure	22	31.8	14.7	*	40.9	22.0	*	45.5	28.4	*
Pneumonia/Influenza	18	27.8	10.8	*	27.8	15.6	*	27.8	19.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	8.5	*	0.0	15.7	*	0.0	21.4	*
Transient Cerebral Ischemia	3	0.0	1.8	*	0.0	3.8	*	0.0	6.0	*
Stroke	16	50.0	18.5	*	62.5	25.3	*	62.5	30.1	*
Hip Fracture	26	15.4	5.8	*	19.2	11.2	*	23.1	14.8	*
Sepsis	3	0.0	18.6	*	0.0	27.0	*	33.3	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	21.4	4.7	*	28.6	9.5	*	35.7	13.1	*
Open Reduction of Hip Fracture	11	9.1	6.0	*	9.1	11.7	*	9.1	15.5	*
Prostatectomy	5	0.0	0.7	*	0.0	1.8	*	0.0	3.0	*
Cholecystectomy	7	0.0	1.6	*	0.0	3.1	*	0.0	4.1	*
Hysterectomy	4	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JOINT TOWNSHIP DISTRICT MEM HOSPITAL

200 St Clair St
St Marys, OH 45885

Medicare Provider Number: 360032

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	831	8.9	9.4	1.1	13.4	14.1	1.4	16.4	18.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	16	12.5	29.8	*	18.8	34.4	*	18.8	38.3	*
Congestive Heart Failure	70	4.3	14.2	6.3	11.4	22.1	7.5	17.1	28.8	7.6
Pneumonia/Influenza	52	17.3	15.3	5.2	23.1	21.2	7.3	34.6	26.1	10.0
Chronic Obstructive Pulmonary Disease	6	0.0	3.9	*	0.0	7.6	*	0.0	11.2	*
Transient Cerebral Ischemia	22	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke	27	33.3	22.9	*	40.7	29.4	*	44.4	34.1	*
Hip Fracture	20	10.0	6.5	*	15.0	12.0	*	15.0	15.9	*
Sepsis	11	27.3	31.0	*	27.3	39.4	*	27.3	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.1	*	0.0	6.6	*	0.0	10.1	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	20	5.0	2.4	*	5.0	4.7	*	5.0	6.4	*
Open Reduction of Hip Fracture	11	9.1	7.0	*	18.2	13.5	*	18.2	18.1	*
Prostatectomy	20	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	24	0.0	2.4	*	0.0	4.6	*	4.2	6.2	*
Hysterectomy	3	0.0	1.5	*	0.0	3.2	*	0.0	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	95
Occupancy Rate	57
Ownership/Control	District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians	44
Percent of Physicians Board Certified Specialists	55
Medical Residents/Interns	0
Registered Nurses	110
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JOINT TOWNSHIP DISTRICT MEM HOSPITAL

Medicare Provider Number: 360032

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	831	8.4	9.0	1.2	11.7	13.8	1.5	14.2	17.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	18	33.3	31.2	*	33.3	35.3	*	33.3	39.4	*
Congestive Heart Failure	58	19.0	15.7	6.2	24.1	24.0	5.6	29.3	30.9	6.4
Pneumonia/Influenza	45	17.8	15.6	*	22.2	21.1	*	35.6	25.5	*
Chronic Obstructive Pulmonary Disease	9	11.1	5.3	*	11.1	11.6	*	11.1	17.4	*
Transient Cerebral Ischemia	25	4.0	2.6	*	8.0	5.7	*	8.0	8.8	*
Stroke	25	36.0	19.9	*	44.0	26.0	*	44.0	30.6	*
Hip Fracture	18	0.0	7.7	*	0.0	13.9	*	0.0	17.8	*
Sepsis	12	25.0	32.3	*	33.3	39.0	*	33.3	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.6	*	0.0	7.8	*	0.0	10.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	3.9	*	0.0	7.3	*	0.0	9.5	*
Open Reduction of Hip Fracture	8	0.0	7.4	*	0.0	14.3	*	0.0	18.7	*
Prostatectomy	35	0.0	2.1	*	5.7	4.6	*	5.7	7.1	*
Cholecystectomy	23	0.0	2.5	*	4.3	4.3	*	4.3	5.5	*
Hysterectomy	7	0.0	1.8	*	0.0	3.6	*	0.0	5.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	795	8.1	10.3	1.5	13.5	15.6	2.1	16.0	19.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	15	13.3	30.8	*	13.3	33.6	*	13.3	37.2	*
Congestive Heart Failure	68	13.2	18.3	7.3	26.5	27.3	7.7	27.9	34.5	7.5
Pneumonia/Influenza	34	11.8	18.0	*	29.4	24.3	*	32.4	29.2	*
Chronic Obstructive Pulmonary Disease	9	0.0	4.2	*	0.0	8.3	*	11.1	12.2	*
Transient Cerebral Ischemia	18	0.0	2.0	*	0.0	4.2	*	5.6	6.7	*
Stroke	30	33.3	26.0	*	36.7	32.9	*	36.7	37.6	*
Hip Fracture	17	5.9	7.3	*	11.8	12.5	*	11.8	15.8	*
Sepsis	6	33.3	31.4	*	66.7	43.9	*	66.7	50.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	2.7	*	20.0	5.2	*	20.0	7.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	1.9	*	0.0	3.7	*	0.0	5.0	*
Open Reduction of Hip Fracture	10	0.0	6.8	*	0.0	12.2	*	0.0	15.5	*
Prostatectomy	32	0.0	1.4	*	6.3	3.3	*	6.3	5.3	*
Cholecystectomy	22	4.5	2.3	*	4.5	4.4	*	4.5	5.9	*
Hysterectomy	6	0.0	1.0	*	0.0	2.1	*	0.0	3.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KAISER FOUNDATION HOSPITAL

12301 Snow Rd
Parma, OH 44130

Medicare Provider Number: 360232

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,088	8.1	8.3	1.3	12.2	12.9	1.3	15.4	16.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	31	29.0	23.6	*	35.5	26.4	*	38.7	29.6	*
Congestive Heart Failure	42	9.5	14.5	*	16.7	22.3	*	23.8	29.0	*
Pneumonia/Influenza	38	15.8	15.4	*	15.8	21.2	*	18.4	25.7	*
Chronic Obstructive Pulmonary Disease	19	5.3	8.7	*	10.5	15.1	*	15.8	20.6	*
Transient Cerebral Ischemia	21	0.0	2.2	*	0.0	5.0	*	0.0	8.1	*
Stroke	41	19.5	19.1	*	26.8	25.6	*	29.3	30.2	*
Hip Fracture	13	0.0	4.5	*	7.7	8.1	*	7.7	10.7	*
Sepsis	17	23.5	23.3	*	29.4	30.3	*	29.4	35.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.9	*	0.0	6.4	*	0.0	8.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
Open Reduction of Hip Fracture	7	0.0	3.9	*	0.0	7.1	*	0.0	9.3	*
Prostatectomy	30	0.0	0.5	*	0.0	1.1	*	3.3	2.0	*
Cholecystectomy	24	0.0	1.0	*	0.0	1.8	*	0.0	2.3	*
Hysterectomy	10	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 82
Occupancy Rate 68
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 73
Percent of Physicians Board Certified Specialists 66
Medical Residents/Interns 0
Registered Nurses 79
Licensed Practical Nurses 22

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

KAISER FOUNDATION HOSPITAL

Medicare Provider Number: 360232

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	944	7.2	8.2	1.0	10.7	12.8	1.5	13.5	16.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	27	14.8	26.0	*	14.8	29.3	*	18.5	32.8	*
Congestive Heart Failure	35	0.0	13.6	*	11.4	20.6	*	14.3	26.7	*
Pneumonia/Influenza	36	16.7	15.3	*	22.2	20.9	*	25.0	25.4	*
Chronic Obstructive Pulmonary Disease	26	15.4	8.4	*	19.2	14.7	*	19.2	20.0	*
Transient Cerebral Ischemia	17	0.0	1.7	*	0.0	3.6	*	0.0	5.7	*
Stroke	33	3.0	18.0	*	6.1	23.4	*	12.1	27.7	*
Hip Fracture	8	0.0	3.9	*	0.0	7.2	*	0.0	9.6	*
Sepsis	10	20.0	23.7	*	30.0	31.3	*	30.0	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	1.4	*	0.0	2.6	*	0.0	3.6	*
Open Reduction of Hip Fracture	2	0.0	4.1	*	0.0	8.2	*	0.0	11.5	*
Prostatectomy	29	0.0	0.7	*	0.0	1.9	*	3.4	3.2	*
Cholecystectomy	20	0.0	1.9	*	0.0	2.9	*	0.0	3.5	*
Hysterectomy	5	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	839	8.9	9.0	1.0	14.3	13.7	1.4	17.9	17.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	24	33.3	25.7	*	33.3	29.8	*	33.3	33.6	*
Congestive Heart Failure	32	12.5	15.8	*	25.0	24.1	*	34.4	31.1	*
Pneumonia/Influenza	27	11.1	14.5	*	18.5	19.7	*	18.5	24.2	*
Chronic Obstructive Pulmonary Disease	19	5.3	8.8	*	10.5	15.2	*	21.1	20.2	*
Transient Cerebral Ischemia	10	0.0	1.8	*	0.0	4.1	*	10.0	6.5	*
Stroke	26	11.5	20.5	*	19.2	27.1	*	19.2	31.8	*
Hip Fracture	5	0.0	3.9	*	20.0	7.2	*	20.0	9.7	*
Sepsis	12	25.0	20.7	*	33.3	26.8	*	33.3	31.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	14.5	*	0.0	22.9	*	0.0	28.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	1.4	*	0.0	2.6	*	0.0	3.6	*
Open Reduction of Hip Fracture	2	0.0	3.1	*	50.0	6.1	*	50.0	8.4	*
Prostatectomy	29	3.4	0.7	*	6.9	1.6	*	6.9	2.7	*
Cholecystectomy	30	0.0	2.2	*	3.3	4.2	*	3.3	5.8	*
Hysterectomy	20	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

KETTERING HOSPITAL

546 N Union St
Loudonville, OH 44842

Medicare Provider Number: 360139

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	127	17.3	10.7	3.5	18.9	15.7	3.7	23.6	19.7	3.7
CONDITIONS:										
Acute Myocardial Infarction	5	60.0	27.3	*	60.0	30.6	*	60.0	33.8	*
Congestive Heart Failure	12	25.0	14.2	*	33.3	22.0	*	41.7	28.5	*
Pneumonia/Influenza	15	13.3	12.2	*	13.3	16.8	*	20.0	20.4	*
Chronic Obstructive Pulmonary Disease	1	0.0	14.2	*	0.0	23.4	*	0.0	30.4	*
Transient Cerebral Ischemia	2	0.0	1.3	*	0.0	2.8	*	0.0	4.4	*
Stroke	8	12.5	15.4	*	12.5	21.0	*	12.5	25.0	*
Hip Fracture	4	25.0	7.9	*	25.0	14.3	*	25.0	18.4	*
Sepsis	4	0.0	23.5	*	0.0	27.8	*	0.0	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	4	25.0	6.9	*	25.0	13.0	*	25.0	17.2	*
Prostatectomy	1	0.0	0.3	*	0.0	0.7	*	0.0	1.3	*
Cholecystectomy	1	0.0	1.4	*	0.0	2.1	*	0.0	2.6	*
Hysterectomy	1	0.0	1.7	*	0.0	4.0	*	0.0	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 23
Occupancy Rate 26
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 4
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 9
Licensed Practical Nurses 3

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

KETTERING HOSPITAL

Medicare Provider Number: 360139

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	141	11.3	8.7	4.0	14.9	12.9	3.5	15.6	16.6	3.3
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	26.9	*	22.2	30.1	*	22.2	33.8	*
Congestive Heart Failure	14	7.1	11.0	*	14.3	17.0	*	14.3	22.3	*
Pneumonia/Influenza	9	11.1	14.0	*	22.2	18.8	*	22.2	22.4	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	2	0.0	2.7	*	0.0	6.5	*	0.0	10.9	*
Stroke	3	33.3	13.4	*	33.3	17.4	*	33.3	20.9	*
Hip Fracture	2	0.0	5.5	*	0.0	9.3	*	0.0	12.3	*
Sepsis	1	100.0	30.6	*	100.0	36.5	*	100.0	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	2.8	*	0.0	5.3	*	0.0	7.1	*
Prostatectomy	4	0.0	1.1	*	0.0	2.9	*	0.0	5.0	*
Cholecystectomy	1	0.0	2.2	*	0.0	4.2	*	0.0	5.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	155	22.6	9.6	4.7	25.2	14.3	3.8	28.4	18.1	4.0
CONDITIONS:										
Acute Myocardial Infarction	8	12.5	32.7	*	12.5	36.5	*	25.0	39.5	*
Congestive Heart Failure	10	60.0	17.6	*	60.0	26.3	*	60.0	32.6	*
Pneumonia/Influenza	7	28.6	11.9	*	28.6	16.6	*	28.6	20.7	*
Chronic Obstructive Pulmonary Disease	2	50.0	10.7	*	50.0	17.1	*	50.0	21.7	*
Transient Cerebral Ischemia	1	100.0	3.9	*	100.0	9.3	*	100.0	15.6	*
Stroke	6	50.0	20.1	*	50.0	25.9	*	50.0	30.8	*
Hip Fracture	2	0.0	4.0	*	0.0	7.7	*	0.0	10.5	*
Sepsis	3	33.3	21.7	*	33.3	28.1	*	33.3	34.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	3.2	*	0.0	6.5	*	0.0	9.1	*
Prostatectomy	7	0.0	0.4	*	0.0	0.9	*	0.0	1.7	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

KETTERING MEDICAL CENTER

3535 Southern Boulevard
Kettering, OH 45429

Medicare Provider Number: 360079

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,999	7.4	7.3	0.4	11.7	11.3	0.6	14.7	14.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	88	21.6	26.6	5.6	26.1	29.8	5.4	26.1	32.9	6.4
Congestive Heart Failure	204	18.6	14.8	5.0	26.5	23.1	6.1	34.3	29.9	6.2
Pneumonia/Influenza	120	17.5	14.7	4.3	20.8	20.1	4.2	24.2	24.4	4.0
Chronic Obstructive Pulmonary Disease	60	15.0	8.4	4.6	26.7	14.0	7.0	33.3	18.6	8.1
Transient Cerebral Ischemia	60	0.0	1.7	2.2	0.0	3.7	3.7	1.7	5.9	4.1
Stroke	137	18.2	19.7	3.5	22.6	26.6	5.0	24.8	31.1	5.8
Hip Fracture	79	10.1	6.9	6.0	16.5	12.6	5.5	17.7	16.4	4.8
Sepsis	22	18.2	25.9	*	36.4	32.6	*	36.4	38.3	*
PROCEDURES:										
Angioplasty	82	1.2	2.4	2.0	2.4	3.1	2.0	2.4	3.9	2.5
Coronary Artery Bypass Graft	167	4.2	4.5	1.9	6.6	6.3	2.0	7.8	7.5	2.1
Initial Pacemaker Insertion	38	2.6	3.2	*	2.6	6.1	*	2.6	8.7	*
Carotid Endarterectomy	37	2.7	1.2	*	5.4	2.1	*	5.4	3.1	*
Hip Replacement/Reconstruction	90	2.2	2.6	1.7	4.4	4.9	2.4	5.6	6.6	3.1
Open Reduction of Hip Fracture	32	3.1	6.3	*	12.5	11.8	*	12.5	15.4	*
Prostatectomy	136	0.0	0.7	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	62	3.2	2.2	2.2	6.5	3.9	3.8	8.1	5.1	5.7
Hysterectomy	38	0.0	0.6	*	2.6	1.5	*	2.6	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 639
Occupancy Rate 68
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 301
Percent of Physicians Board Certified Specialists 90
Medical Residents/Interns 66
Registered Nurses 777
Licensed Practical Nurses 58

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

KETTERING MEDICAL CENTER

Medicare Provider Number: 360079

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,184	7.1	7.0	0.4	11.3	11.0	0.5	14.6	14.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	98	29.6	28.1	5.8	30.6	29.1	5.4	33.7	32.3	5.1
Congestive Heart Failure	201	12.4	15.2	4.7	20.4	23.7	4.3	28.9	30.7	3.5
Pneumonia/Influenza	95	14.7	15.7	4.0	18.9	21.7	6.6	21.1	26.3	8.0
Chronic Obstructive Pulmonary Disease	45	13.3	6.5	*	13.3	11.3	*	15.6	15.6	*
Transient Cerebral Ischemia	86	0.0	2.1	2.1	1.2	4.6	3.2	4.7	7.2	3.2
Stroke	142	20.4	19.0	4.1	27.5	25.9	4.5	31.0	30.6	4.3
Hip Fracture	86	2.3	5.2	3.0	4.7	9.7	4.3	10.5	12.7	5.9
Sepsis	22	27.3	29.9	*	45.5	39.2	*	45.5	46.0	*
PROCEDURES:										
Angioplasty	71	0.0	2.2	2.7	0.0	2.7	3.3	0.0	3.4	4.0
Coronary Artery Bypass Graft	213	7.0	4.7	2.8	9.9	6.4	3.7	9.9	7.6	3.5
Initial Pacemaker Insertion	28	3.8	6.4	*	3.6	11.0	*	14.3	14.7	*
Carotid Endarterectomy	50	2.0	1.7	*	2.0	3.2	*	4.0	4.8	*
Hip Replacement/Reconstruction	101	2.0	1.8	1.7	3.0	3.4	1.9	5.0	4.6	2.2
Open Reduction of Hip Fracture	27	0.0	4.8	*	0.0	9.1	*	7.4	12.0	*
Prostatectomy	140	1.4	0.8	1.0	2.9	2.0	1.8	4.3	3.3	2.7
Cholecystectomy	77	1.3	1.8	1.6	2.6	3.2	2.1	3.9	4.4	2.4
Hysterectomy	39	0.0	0.6	*	2.6	1.3	*	2.6	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,979	7.5	7.3	0.5	12.2	11.4	0.7	15.8	14.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	108	25.0	26.0	4.3	27.8	29.0	4.8	28.7	32.1	6.1
Congestive Heart Failure	176	13.1	15.2	3.9	22.2	23.5	3.4	31.8	30.3	3.7
Pneumonia/Influenza	107	13.1	15.3	4.3	18.7	21.4	4.9	24.3	26.2	5.6
Chronic Obstructive Pulmonary Disease	62	21.0	9.9	6.0	32.3	16.7	7.5	37.1	21.9	7.9
Transient Cerebral Ischemia	77	1.3	1.8	2.0	2.6	3.9	2.5	5.2	6.2	2.9
Stroke	123	18.7	21.7	5.4	24.4	28.6	5.1	32.5	33.3	4.3
Hip Fracture	76	1.3	5.0	3.2	3.9	9.3	4.8	5.3	12.3	5.7
Sepsis	15	20.0	32.8	*	26.7	41.9	*	40.0	48.7	*
PROCEDURES:										
Angioplasty	58	5.2	2.3	3.6	5.2	3.1	4.0	6.9	4.1	4.5
Coronary Artery Bypass Graft	208	7.2	5.1	2.3	9.6	7.1	3.0	10.6	8.3	3.4
Initial Pacemaker Insertion	48	6.3	3.3	*	14.6	6.4	*	16.7	9.1	*
Carotid Endarterectomy	42	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	76	1.3	2.3	2.6	2.6	4.5	4.1	2.6	6.1	4.7
Open Reduction of Hip Fracture	25	0.0	4.2	*	0.0	8.2	*	0.0	11.0	*
Prostatectomy	150	0.7	0.8	1.5	2.0	1.9	2.3	4.7	3.2	2.6
Cholecystectomy	75	4.0	1.9	2.7	6.7	3.3	4.1	6.7	4.5	4.5
Hysterectomy	43	0.0	0.4	*	0.0	0.8	*	2.3	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KNOX COMMUNITY HOSPITAL

117 E High St
Mount Vernon, OH 43050

Medicare Provider Number: 360040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,184	10.1	7.5	1.1	13.0	11.2	1.2	15.7	14.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	58	34.5	27.9	8.5	37.9	30.9	9.0	39.7	34.5	8.0
Congestive Heart Failure	57	12.3	11.9	4.3	17.5	18.4	6.6	21.1	24.5	7.5
Pneumonia/Influenza	78	19.2	12.6	5.7	24.4	17.5	5.8	25.6	21.8	5.2
Chronic Obstructive Pulmonary Disease	31	9.7	7.2	*	12.9	12.6	*	12.9	17.3	*
Transient Cerebral Ischemia	25	0.0	1.7	*	0.0	3.9	*	0.0	6.3	*
Stroke	43	23.3	17.5	*	30.2	23.9	*	34.9	28.5	*
Hip Fracture	31	9.7	6.3	*	16.1	12.2	*	22.6	16.5	*
Sepsis	2	50.0	15.5	*	50.0	21.2	*	50.0	26.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.4	*	0.0	5.7	*	0.0	7.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	15.4	4.1	*	15.4	8.7	*	23.1	12.7	*
Open Reduction of Hip Fracture	15	0.0	5.9	*	13.3	11.6	*	13.3	15.8	*
Prostatectomy	37	0.0	0.6	*	0.0	1.5	*	0.0	2.7	*
Cholecystectomy	29	3.4	1.5	*	3.4	2.5	*	3.4	3.2	*
Hysterectomy	19	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 153
Occupancy Rate 37
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 39
Percent of Physicians Board Certified Specialists 56
Medical Residents/Interns 0
Registered Nurses 73
Licensed Practical Nurses 19

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

KNOX COMMUNITY HOSPITAL

Medicare Provider Number: 360040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,171	10.1	7.9	1.5	13.2	12.0	1.2	16.7	15.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	38	23.7	28.3	*	28.9	31.3	*	34.2	34.8	*
Congestive Heart Failure	68	14.7	13.5	4.7	22.1	20.8	5.1	26.5	27.1	5.5
Pneumonia/Influenza	64	14.1	15.2	5.4	23.4	20.9	6.6	28.1	25.4	6.9
Chronic Obstructive Pulmonary Disease	30	10.0	10.6	*	23.3	17.1	*	26.7	22.6	*
Transient Cerebral Ischemia	23	13.0	2.2	*	17.4	4.8	*	17.4	7.6	*
Stroke	51	31.4	19.0	8.0	31.4	24.9	7.0	37.3	29.4	7.5
Hip Fracture	41	7.3	5.0	*	7.3	9.5	*	14.6	12.4	*
Sepsis	6	16.7	16.3	*	16.7	23.7	*	16.7	28.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	3.3	*	8.3	6.5	*	16.7	9.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	5.3	3.6	*	5.3	6.9	*	10.5	9.0	*
Open Reduction of Hip Fracture	25	4.0	4.5	*	4.0	8.9	*	8.0	12.0	*
Prostatectomy	50	0.0	0.9	*	0.0	2.3	*	4.0	3.9	*
Cholecystectomy	18	0.0	2.2	*	0.0	3.9	*	0.0	5.1	*
Hysterectomy	17	0.0	1.2	*	0.0	2.7	*	0.0	4.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,119	10.4	7.8	1.2	15.1	11.7	1.4	17.7	15.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	44	36.4	28.5	*	36.4	32.2	*	38.6	35.9	*
Congestive Heart Failure	50	24.0	12.6	*	30.0	19.8	*	34.0	26.1	*
Pneumonia/Influenza	72	12.5	14.2	4.3	13.9	19.6	5.5	15.3	24.3	7.0
Chronic Obstructive Pulmonary Disease	29	3.4	9.0	*	10.3	15.3	*	13.8	20.3	*
Transient Cerebral Ischemia	29	10.3	1.9	*	10.3	4.1	*	17.2	6.5	*
Stroke	50	18.0	18.6	*	28.0	25.0	*	32.0	29.7	*
Hip Fracture	31	12.9	4.6	*	22.6	8.9	*	25.8	12.1	*
Sepsis	8	62.5	25.1	*	75.0	31.7	*	75.0	37.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	4.0	*	4.3	6.1	*	4.3	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	10.5	4.3	*	21.1	8.9	*	26.3	12.8	*
Open Reduction of Hip Fracture	17	17.6	3.6	*	23.5	7.1	*	23.5	9.7	*
Prostatectomy	44	4.5	0.8	*	4.5	2.0	*	6.8	3.3	*
Cholecystectomy	34	2.9	2.2	*	5.9	4.0	*	5.9	5.1	*
Hysterectomy	16	0.0	0.7	*	0.0	1.5	*	6.3	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

LAKE HOSPITAL SYSTEM INC

71 E High St
Painesville, OH 44077

Medicare Provider Number: 360098

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,896	11.3	10.4	1.0	16.3	15.6	1.0	19.9	19.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	117	29.9	25.2	7.0	32.5	28.2	7.4	34.2	31.4	6.7
Congestive Heart Failure	197	13.2	15.1	3.0	24.9	23.2	3.6	32.0	29.8	5.0
Pneumonia/Influenza	122	16.4	18.1	4.5	21.3	24.1	4.9	27.0	28.8	4.9
Chronic Obstructive Pulmonary Disease	78	11.5	8.7	4.1	17.9	15.5	4.6	21.8	21.4	4.8
Transient Cerebral Ischemia	55	1.8	2.1	1.9	1.8	4.6	3.7	3.6	7.4	4.8
Stroke	140	21.4	21.4	3.6	28.6	28.8	4.2	32.1	33.4	4.1
Hip Fracture	87	6.9	6.8	2.9	11.5	12.1	4.0	16.1	15.5	5.0
Sepsis	25	32.0	23.4	*	48.0	29.7	*	52.0	34.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	3.8	*	0.0	6.9	*	4.0	9.8	*
Carotid Endarterectomy	23	0.0	1.9	*	4.3	3.7	*	4.3	5.5	*
Hip Replacement/Reconstruction	49	0.0	5.8	*	2.0	10.1	*	10.2	13.1	*
Open Reduction of Hip Fracture	45	6.7	5.7	*	11.1	10.5	*	11.1	13.6	*
Prostatectomy	85	1.2	0.9	1.7	4.7	2.2	2.7	7.1	3.6	3.8
Cholecystectomy	82	2.4	2.5	1.8	4.9	4.3	2.8	6.1	5.6	3.6
Hysterectomy	16	0.0	2.4	*	0.0	5.0	*	6.3	7.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 359
Occupancy Rate 46
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 391
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 273
Licensed Practical Nurses 94

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LAKE HOSPITAL SYSTEM INC

Medicare Provider Number: 360098

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,950	10.9	10.5	0.7	16.1	15.8	0.7	20.0	19.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	91	23.1	27.2	6.7	26.4	30.2	5.8	31.9	33.6	5.2
Congestive Heart Failure	198	19.7	17.5	3.0	27.3	26.5	3.6	33.8	33.7	3.4
Pneumonia/Influenza	126	19.0	18.2	3.5	26.2	24.1	4.2	28.6	28.7	4.3
Chronic Obstructive Pulmonary Disease	60	13.3	11.5	4.5	21.7	19.2	5.5	25.0	25.3	6.5
Transient Cerebral Ischemia	47	6.4	2.3	*	6.4	5.0	*	10.6	7.9	*
Stroke	137	23.4	21.5	3.8	29.2	28.4	3.9	33.6	33.0	4.2
Hip Fracture	87	11.5	8.3	5.1	18.4	14.5	5.1	19.5	18.2	5.4
Sepsis	23	39.1	28.6	*	52.2	35.6	*	52.2	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	7.6	*	20.0	10.7	*	20.0	13.6	*
Carotid Endarterectomy	29	0.0	1.9	*	0.0	3.5	*	0.0	5.2	*
Hip Replacement/Reconstruction	43	14.0	5.0	*	16.3	9.0	*	16.3	11.4	*
Open Reduction of Hip Fracture	43	4.7	6.8	*	11.6	12.4	*	14.0	15.9	*
Prostatectomy	69	1.4	0.7	1.1	1.4	1.7	2.7	5.8	2.8	2.8
Cholecystectomy	65	10.8	4.1	4.5	10.8	7.6	4.1	12.3	10.2	4.1
Hysterectomy	19	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,847	11.7	10.9	1.0	17.0	16.2	1.0	20.8	20.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	96	27.1	32.1	7.5	29.2	35.2	6.9	33.3	38.3	7.1
Congestive Heart Failure	227	22.5	17.9	3.9	33.5	26.6	5.4	40.1	33.6	5.7
Pneumonia/Influenza	118	14.4	17.8	4.8	22.9	23.7	4.0	26.3	28.4	4.6
Chronic Obstructive Pulmonary Disease	52	7.7	12.3	6.0	15.4	20.2	7.0	23.1	25.9	7.0
Transient Cerebral Ischemia	57	3.5	2.5	2.2	8.8	5.4	3.5	14.0	8.5	5.1
Stroke	137	24.8	22.9	4.7	32.1	30.5	4.2	35.0	35.1	4.3
Hip Fracture	71	5.6	8.4	4.3	14.1	14.7	4.4	18.3	18.6	4.6
Sepsis	24	33.3	30.8	*	50.0	39.1	*	50.0	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.2	*	0.0	8.0	*	0.0	11.0	*
Carotid Endarterectomy	31	0.0	1.7	*	0.0	3.0	*	0.0	4.2	*
Hip Replacement/Reconstruction	40	7.5	4.5	*	12.5	8.3	*	20.0	10.8	*
Open Reduction of Hip Fracture	38	5.3	8.2	*	13.2	15.2	*	13.2	19.5	*
Prostatectomy	79	2.5	1.5	1.7	3.8	3.6	2.8	6.3	5.9	3.8
Cholecystectomy	71	0.0	4.1	3.1	1.4	6.5	4.0	1.4	8.1	4.7
Hysterectomy	17	0.0	0.7	*	0.0	1.3	*	0.0	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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LAKE HOSPITAL SYSTEM, INC.

LAKE WEST HOSPITAL
36000 EUCLID AVENUE
WILLOUGHBY, OHIO 44094
(216) 953-9600

LAKE EAST HOSPITAL
WASHINGTON AT LIBERTY
PAINESVILLE, OHIO 44077
(216) 354-2400 CORPORATE OFFICES

Health Standards & Quality Bureau, HCFA
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Bldg.
6325 Security Boulevard
Baltimore, MD 21207

January 2, 1991
Medicare #360098

Dear Mrs. Kappert:

Thank you for affording our hospital the opportunity to comment on the 1989 Medicare mortality data scheduled for public release. We are a 350 bed general acute care hospital system with a strong commitment to providing high quality patient care to the residents of Lake County and the surrounding area. We are gratified that our mortality rates were within the expected ranges in all categories, especially since we have extensive programs in cardiology, neurosurgery and hospice. However, the hospital characteristics' section of your report is incorrect when it lists no neurosurgical ICU & hospice unit at Lake Hospital System. We indeed provide these services.

This data, and mortality review in general, is a useful tool in hospital quality assurance activities and is one component of our outcome oriented quality assurance program here. However, it is important for those using this data to understand that a meaningful assessment of hospital and physician performance is dependent on many variables and requires the analysis of many quality indicators, of which mortality is but one. In our quality assurance program we monitor literally scores of quality indicators and screens continually in this effort. In addition, the Peer Review Organization for Ohio reviews thousands of Medicare patient records for quality of care and we have experienced commendable results from this review.

In conclusion, I applaud your efforts to inform the public regarding health care quality issues, but have serious concerns regarding the potential for misinterpretation of this data.

Sincerely,

Thomas V. Thompson

Thomas V. Thompson, RRA, CPQA
Director, Quality Services

TVT/sh

LAKEWOOD HOSPITAL

14519 Detroit Ave
Lakewood, OH 44107

Medicare Provider Number: 360212

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,015	7.7	9.3	0.7	13.2	14.2	0.8	16.9	18.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	77	27.3	29.7	5.7	32.5	32.9	5.4	33.8	36.3	6.0
Congestive Heart Failure	199	15.6	16.1	2.6	25.1	24.7	3.6	34.2	31.7	5.1
Pneumonia/Influenza	111	14.4	16.2	5.1	18.9	21.8	5.6	21.6	26.2	7.5
Chronic Obstructive Pulmonary Disease	92	2.2	11.5	4.6	12.0	19.3	6.2	16.3	25.7	5.7
Transient Cerebral Ischemia	58	0.0	2.4	3.3	3.4	5.4	4.5	5.2	8.7	7.1
Stroke	104	18.3	21.4	6.6	22.1	28.7	9.2	26.9	33.5	9.3
Hip Fracture	69	2.9	7.8	5.8	10.1	13.7	7.4	13.0	17.6	7.0
Sepsis	28	25.0	28.9	*	28.6	37.1	*	32.1	42.8	*
PROCEDURES:										
Angioplasty	47	2.1	3.9	*	2.1	4.7	*	2.1	5.7	*
Coronary Artery Bypass Graft	45	6.7	5.2	*	11.1	7.4	*	11.1	8.9	*
Initial Pacemaker Insertion	27	3.7	2.2	*	3.7	4.5	*	3.7	7.0	*
Carotid Endarterectomy	25	0.0	1.6	*	4.0	2.9	*	8.0	4.2	*
Hip Replacement/Reconstruction	54	3.7	5.1	4.1	7.4	9.6	5.1	11.1	12.7	4.8
Open Reduction of Hip Fracture	35	2.9	6.4	*	11.4	11.8	*	11.4	15.4	*
Prostatectomy	111	0.9	0.9	1.6	2.7	2.1	2.7	7.2	3.6	2.9
Cholecystectomy	65	7.7	3.6	4.2	7.7	6.5	3.5	9.2	8.4	3.5
Hysterectomy	11	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	303
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	122
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	314
Licensed Practical Nurses	70

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LAKEWOOD HOSPITAL

Medicare Provider Number: 360212

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,059	7.8	9.3	0.7	12.0	14.1	0.8	15.7	18.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	96	17.7	28.1	7.6	20.8	31.2	7.4	25.0	34.5	7.0
Congestive Heart Failure	214	15.4	16.8	2.8	26.6	25.4	3.2	32.2	32.3	3.2
Pneumonia/Influenza	79	19.0	18.8	4.4	24.1	24.8	4.9	29.1	29.5	5.2
Chronic Obstructive Pulmonary Disease	58	6.9	11.4	6.1	12.1	19.4	6.7	17.2	25.6	6.6
Transient Cerebral Ischemia	64	0.0	2.2	2.5	1.6	4.7	3.4	3.1	7.4	4.3
Stroke	98	18.4	24.6	8.4	27.6	31.1	8.0	32.7	35.8	6.6
Hip Fracture	101	5.0	6.9	4.8	7.9	12.5	5.8	13.9	15.9	4.9
Sepsis	18	16.7	30.5	*	16.7	37.9	*	22.2	43.9	*
PROCEDURES:										
Angioplasty	44	0.0	4.2	*	0.0	5.1	*	0.0	6.2	*
Coronary Artery Bypass Graft	56	1.8	6.6	4.7	1.8	9.1	5.7	3.6	10.7	5.9
Initial Pacemaker Insertion	50	0.0	3.4	*	0.0	6.4	*	6.0	9.1	*
Carotid Endarterectomy	28	3.6	1.7	*	3.6	3.4	*	3.6	5.1	*
Hip Replacement/Reconstruction	71	0.0	3.6	3.9	2.8	6.7	5.3	5.6	8.6	4.8
Open Reduction of Hip Fracture	45	6.7	5.4	*	8.9	10.4	*	13.3	13.8	*
Prostatectomy	105	1.9	1.3	1.2	2.9	3.2	2.0	5.7	5.1	2.2
Cholecystectomy	56	3.6	3.6	4.5	12.5	6.6	6.2	16.1	8.7	7.7
Hysterectomy	9	0.0	1.5	*	0.0	3.5	*	0.0	5.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,990	7.2	9.8	0.6	12.1	14.9	0.7	15.8	18.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	89	27.0	33.3	8.8	34.8	36.9	8.2	38.2	40.5	6.2
Congestive Heart Failure	231	13.9	17.5	4.0	21.6	26.1	4.6	29.0	33.2	5.4
Pneumonia/Influenza	102	5.9	17.9	5.0	11.8	23.9	5.6	16.7	28.6	5.5
Chronic Obstructive Pulmonary Disease	82	6.1	12.2	5.3	11.0	19.8	6.4	17.1	25.5	6.9
Transient Cerebral Ischemia	42	2.4	2.2	*	4.8	4.8	*	7.1	7.7	*
Stroke	110	15.5	23.3	5.2	27.3	30.2	4.7	30.9	35.0	4.9
Hip Fracture	93	8.6	8.2	3.8	11.8	14.3	4.4	16.1	18.1	5.1
Sepsis	13	30.8	30.7	*	30.8	38.9	*	30.8	45.3	*
PROCEDURES:										
Angioplasty	27	0.0	5.4	*	0.0	6.9	*	3.7	8.5	*
Coronary Artery Bypass Graft	31	3.2	7.0	*	6.5	8.9	*	9.7	10.2	*
Initial Pacemaker Insertion	33	3.0	5.3	*	6.1	9.9	*	6.1	14.0	*
Carotid Endarterectomy	32	0.0	1.8	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction	62	3.2	4.4	4.1	3.2	8.2	5.8	6.5	10.6	5.9
Open Reduction of Hip Fracture	42	9.5	8.6	*	14.3	15.7	*	21.4	19.9	*
Prostatectomy	119	1.7	1.5	1.7	4.2	3.5	3.3	8.4	5.5	4.5
Cholecystectomy	62	3.2	3.7	3.0	6.5	6.1	3.5	6.5	7.6	3.5
Hysterectomy	17	0.0	1.2	*	0.0	2.5	*	0.0	3.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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LAKEWOOD HOSPITAL
14519 Detroit Avenue, Lakewood, Ohio 44107-4383 (216) 521-4200

January 15, 1991

LAKEWOOD HOSPITAL
14519 DETROIT AVENUE
LAKEWOOD, OH 44107

MEDICARE PROVIDER NO.: 360212

An extensive review of the HCFA data was conducted by members of the hospital's administration including the Quality Assurance Department and Medical Affairs.

The observations were as follows:

* Lakewood's statistics were extremely favorable with the hospital's mortality rates falling within HCFA's predicted norms in the majority of catagories.

* According to data analysis conducted by HCFA, the low number of cases in coronary artery bypass graft and initial pacemaker insertion made calculation of a standard deviation impossible. In both catagories the observed mortality rates for 30 days exceeded the predicted mortality rate by 1.5. Without a SD, however, it is impossible to tell whether the variance is significant or whether the observed rate would fall within acceptable mortality limits. Data collected in 1987 and 1988 is favorable to the hospital with observed mortality rates falling well below the predicted mortality rate.

* In only one catagory, prostatectomy mortality at 180 days, Lakewood Hospital failed to fall within the predicted mortality rate when the standard deviation was factored into the results. In this case the observed mortality rate was 7.2, predicted mortality at 3.6 with a SD of 2.9. Historical HCFA data shows favorable mortality rates for that catagory for both 1988 and 1987.

* Lakewood Hospital utilizes an active physician driven quality assurance mechanism that reviews every patient at the time of discharge. This process which helps assess quality care, is undoubtedly one of the factors that figures strongly into Lakewood's consistant performance in falling within the predicted HCFA mortality rates for Medicare patients.

James L. Stewart, M.D.
Vice President, Medical Affairs

LANCASTER-FAIRFIELD COUNTY HOSPITAL

401 N Ewing St
Lancaster, OH 43130

Medicare Provider Number: 360072

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,721	9.5	10.4	1.1	14.1	15.4	1.5	17.4	19.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	72	27.8	29.8	7.1	29.2	33.1	7.9	30.6	36.5	9.6
Congestive Heart Failure	132	15.2	15.4	4.3	25.8	23.7	6.9	31.8	30.5	4.9
Pneumonia/Influenza	115	13.0	17.0	6.3	18.3	22.7	8.6	21.7	27.3	8.4
Chronic Obstructive Pulmonary Disease	31	3.2	8.8	*	6.5	13.8	*	16.1	18.2	*
Transient Cerebral Ischemia	16	0.0	1.9	*	6.3	4.3	*	6.3	6.9	*
Stroke	78	14.1	19.6	6.9	20.5	26.2	6.5	24.4	30.6	6.9
Hip Fracture	61	6.6	7.0	3.3	8.2	12.3	5.7	11.5	15.7	6.7
Sepsis	27	18.5	21.6	*	25.9	27.8	*	29.6	32.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.3	*	0.0	6.0	*	0.0	8.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	33	3.0	3.4	*	3.0	6.0	*	3.0	7.8	*
Open Reduction of Hip Fracture	32	6.3	6.9	*	9.4	12.8	*	9.4	16.5	*
Prostatectomy	64	0.0	1.1	1.7	1.6	2.6	2.5	6.3	4.4	2.9
Cholecystectomy	40	2.5	2.5	*	2.5	4.2	*	2.5	5.6	*
Hysterectomy	12	0.0	0.8	*	0.0	1.8	*	16.7	2.7	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	189
Occupancy Rate	57
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	69
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	178
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

LANCASTER-FAIRFIELD COUNTY HOSPITAL

Medicare Provider Number: 360072

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,740	10.3	10.8	0.9	16.0	15.8	0.9	19.8	19.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	73	19.2	33.0	7.9	24.7	36.2	8.0	28.8	39.6	7.7
Congestive Heart Failure	97	15.5	17.3	4.3	28.9	26.3	5.3	34.0	33.6	4.9
Pneumonia/Influenza	91	13.2	17.2	7.0	18.7	22.8	6.9	25.3	27.3	6.2
Chronic Obstructive Pulmonary Disease	33	21.2	8.6	*	24.2	14.3	*	24.2	19.3	*
Transient Cerebral Ischemia	16	0.0	2.2	*	0.0	4.8	*	6.3	7.7	*
Stroke	83	21.7	25.1	5.9	32.5	32.2	6.7	37.3	37.1	5.7
Hip Fracture	84	6.0	7.0	3.6	10.7	12.4	3.8	16.7	15.7	4.3
Sepsis	33	18.2	23.2	*	24.2	29.8	*	27.3	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	12.7	*	0.0	16.9	*	0.0	20.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	33	6.1	6.3	*	12.1	11.8	*	12.1	15.4	*
Open Reduction of Hip Fracture	43	4.7	5.8	*	9.3	10.7	*	11.6	13.9	*
Prostatectomy	64	3.1	1.0	2.2	4.7	2.4	3.1	6.3	3.9	4.1
Cholecystectomy	32	6.3	2.0	*	6.3	3.2	*	6.3	4.2	*
Hysterectomy	14	0.0	1.0	*	0.0	1.9	*	7.1	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,728	10.4	10.8	0.9	15.3	15.7	1.4	18.9	19.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	77	27.3	34.8	7.9	28.6	38.5	8.4	31.2	42.2	9.1
Congestive Heart Failure	104	13.5	16.2	5.4	20.2	24.3	6.6	27.9	31.1	6.7
Pneumonia/Influenza	73	8.2	17.1	6.9	19.2	22.9	7.4	24.7	27.6	5.6
Chronic Obstructive Pulmonary Disease	36	16.7	9.9	*	19.4	16.7	*	27.8	22.0	*
Transient Cerebral Ischemia	25	0.0	2.6	*	4.0	5.8	*	8.0	9.3	*
Stroke	81	32.1	22.0	8.4	37.0	28.7	8.4	39.5	33.2	7.4
Hip Fracture	59	10.2	6.6	6.3	13.6	12.0	4.8	16.9	15.7	4.9
Sepsis	25	20.0	29.8	*	24.0	37.5	*	32.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	14.3	8.4	*	14.3	14.1	*	14.3	18.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	9.5	4.4	*	9.5	8.5	*	19.0	11.5	*
Open Reduction of Hip Fracture	42	9.5	5.4	*	11.9	10.5	*	14.3	14.0	*
Prostatectomy	64	0.0	1.4	*	0.0	3.5	*	1.6	5.7	*
Cholecystectomy	29	3.4	2.4	*	3.4	4.4	*	6.9	5.8	*
Hysterectomy	22	0.0	1.0	*	0.0	2.1	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LAWRENCE COUNTY GENERAL HOSPITAL

2228 S Ninth St
Ironton, OH 45638

Medicare Provider Number: 360007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	700	9.7	9.3	1.3	13.9	13.7	1.3	17.0	17.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	40	32.5	23.8	*	37.5	27.8	*	40.0	31.5	*
Congestive Heart Failure	33	18.2	15.5	*	27.3	22.8	*	30.3	29.2	*
Pneumonia/Influenza	28	17.9	13.5	*	17.9	18.0	*	25.0	22.1	*
Chronic Obstructive Pulmonary Disease	19	15.8	7.1	*	15.8	12.8	*	26.3	17.9	*
Transient Cerebral Ischemia	17	0.0	2.2	*	11.8	5.1	*	11.8	8.3	*
Stroke	16	6.3	15.9	*	25.0	22.2	*	37.5	26.3	*
Hip Fracture	19	15.8	6.4	*	15.8	11.2	*	15.8	14.3	*
Sepsis	13	7.7	30.3	*	7.7	38.0	*	15.4	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	4.5	*	12.5	8.7	*	18.8	12.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	16.7	5.3	*	16.7	9.3	*	16.7	12.0	*
Open Reduction of Hip Fracture	8	12.5	6.5	*	12.5	12.3	*	12.5	16.0	*
Prostatectomy	11	9.1	0.6	*	9.1	1.5	*	9.1	2.6	*
Cholecystectomy	13	0.0	4.2	*	15.4	7.7	*	23.1	10.3	*
Hysterectomy	3	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 198
Ownership/Control ..... Local Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 0
Licensed Practical Nurses 0

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

LAWRENCE COUNTY GENERAL HOSPITAL

Medicare Provider Number: 360007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	768	10.3	9.3	1.3	14.7	13.9	1.6	18.6	17.6	2.3
CONDITIONS:										
Acute Myocardial Infarction	39	28.2	23.3	*	28.2	26.6	*	33.3	30.1	*
Congestive Heart Failure	39	23.1	17.4	*	25.6	26.2	*	41.0	33.4	*
Pneumonia/Influenza	26	15.4	18.2	*	26.9	24.4	*	34.6	29.0	*
Chronic Obstructive Pulmonary Disease	19	5.3	11.8	*	15.8	19.7	*	21.1	25.5	*
Transient Cerebral Ischemia	21	4.8	2.0	*	4.8	4.2	*	9.5	6.5	*
Stroke	24	33.3	20.3	*	41.7	27.8	*	41.7	32.6	*
Hip Fracture	13	15.4	8.3	*	23.1	14.3	*	38.5	17.7	*
Sepsis	10	60.0	31.5	*	60.0	37.1	*	60.0	42.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	5.0	*	15.8	8.5	*	31.6	11.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.5	*	14.3	10.5	*	14.3	13.4	*
Open Reduction of Hip Fracture	6	16.7	8.2	*	16.7	14.5	*	50.0	18.3	*
Prostatectomy	12	0.0	1.4	*	0.0	3.2	*	0.0	5.1	*
Cholecystectomy	12	0.0	2.8	*	0.0	4.9	*	0.0	6.3	*
Hysterectomy	3	0.0	7.2	*	33.3	14.7	*	33.3	21.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	818	9.7	9.3	1.1	13.7	13.7	1.3	16.1	17.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	56	23.2	27.9	9.7	26.8	31.2	11.4	26.8	34.5	12.4
Congestive Heart Failure	39	23.1	20.5	*	33.3	29.4	*	33.3	36.5	*
Pneumonia/Influenza	8	25.0	19.7	*	25.0	26.6	*	25.0	32.0	*
Chronic Obstructive Pulmonary Disease	14	0.0	8.4	*	0.0	15.1	*	14.3	20.4	*
Transient Cerebral Ischemia	29	3.4	2.5	*	3.4	5.6	*	10.3	8.9	*
Stroke	24	20.8	24.6	*	33.3	30.9	*	41.7	35.5	*
Hip Fracture	14	14.3	7.5	*	21.4	13.6	*	21.4	17.6	*
Sepsis	9	44.4	33.2	*	44.4	40.7	*	44.4	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.9	*	9.1	8.0	*	9.1	11.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	6.0	*	18.2	11.4	*	18.2	15.0	*
Open Reduction of Hip Fracture	5	20.0	6.2	*	20.0	11.7	*	20.0	15.2	*
Prostatectomy	19	0.0	3.2	*	15.8	5.8	*	15.8	8.5	*
Cholecystectomy	13	0.0	1.8	*	0.0	3.2	*	0.0	4.1	*
Hysterectomy	4	0.0	0.6	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

173.1

Lawrence County Medical Center 2228 South 9th Street • Ironton, Ohio 45638 • (614) 532-3231

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attn: Mrs. Sandra Kappert

Re: Lawrence County Medical Center
Comments on the HCFA Mortality Data
360007

Dear Mrs. Kappert:

The data used by HCFA indicates a total number of 151 Medicare patients admitted to Lawrence County Medical Center died while in hospital and after 30 days, 90 days and 180 days and some as long as a year following the discharge data quoted. Of these, 53 died while still a patient in the hospital.

The fact that this reflects admissions from September 1988 and discharges from October 1988 to September 30, 1989, but includes dates of death into March 1990, makes it difficult to compare statistics and obtain meaningful data from this.

All the patients that died had multiple diagnoses, which is not truly reflected in the listing and may not be the principle diagnosis at the time of death. Additionally, none of the diagnosis listed have enough cases to make the data statistically significant or reliable.

We would appreciate this information being published along with the raw data if the data is published.

With best regards,

Terry L. Vanderhoof
President & Chief Executive Officer

TLV/ew



2228 South 9th Street
Ironton, Ohio 45638
(614) 532-3231

HOSPITAL CHARACTERISTICS

CORRECTION OF HOSPITAL STATS

Total Beds - 183
Registered Nurses - 49
Licensed Practical Nurses - 71

SPECIALTY SERVICES:

Medical/Surgical Intensive Care - YES

LICKING MEMORIAL HOSPITAL

1320 W Main St
Newark, OH 43055

Medicare Provider Number: 360218

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,949	10.4	9.3	1.0	14.6	13.6	1.3	18.2	17.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	82	30.5	26.5	5.4	34.1	29.4	6.2	41.5	32.6	7.6
Congestive Heart Failure	114	14.0	13.5	3.2	20.2	21.0	4.0	28.1	27.5	4.2
Pneumonia/Influenza	68	17.6	15.2	5.0	22.1	20.9	5.8	25.0	25.4	5.7
Chronic Obstructive Pulmonary Disease	33	3.0	5.2	*	6.1	9.7	*	12.1	13.7	*
Transient Cerebral Ischemia	30	0.0	2.0	*	3.3	4.5	*	3.3	7.2	*
Stroke	85	23.5	19.7	6.6	36.5	26.1	8.0	38.8	30.6	7.2
Hip Fracture	94	3.2	6.9	4.3	8.5	12.1	5.6	12.8	15.7	4.7
Sepsis	24	41.7	36.0	*	41.7	43.0	*	50.0	49.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	5.5	*	12.5	9.6	*	12.5	13.3	*
Carotid Endarterectomy	16	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	52	0.0	4.1	4.7	3.8	7.8	5.0	5.8	10.4	5.8
Open Reduction of Hip Fracture	56	5.4	6.5	4.0	10.7	12.0	5.3	14.3	15.7	5.3
Prostatectomy	97	0.0	1.0	1.3	1.0	2.5	2.1	5.2	4.1	2.2
Cholecystectomy	76	2.6	2.7	2.0	5.3	4.3	3.3	7.9	5.2	4.5
Hysterectomy	31	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	192
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	107
Percent of Physicians Board Certified Specialists	55
Medical Residents/Interns	0
Registered Nurses	242
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LICKING MEMORIAL HOSPITAL

Medicare Provider Number: 360218

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,032	10.5	9.9	1.0	15.4	14.4	1.4	18.7	18.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	97	29.9	27.9	4.8	32.0	31.4	4.8	34.0	35.1	5.6
Congestive Heart Failure	107	20.6	14.7	4.2	25.2	22.2	4.3	27.1	28.7	4.4
Pneumonia/Influenza	62	16.1	15.0	5.1	24.2	20.2	6.1	27.4	24.4	7.5
Chronic Obstructive Pulmonary Disease	34	5.9	6.9	*	17.6	13.2	*	26.5	18.6	*
Transient Cerebral Ischemia	35	0.0	1.7	*	2.9	3.7	*	2.9	5.8	*
Stroke	82	22.0	22.7	4.6	36.6	29.1	6.2	40.2	33.8	6.4
Hip Fracture	83	2.4	7.6	5.6	9.6	13.8	7.6	10.8	17.7	8.1
Sepsis	17	23.5	34.9	*	23.5	42.2	*	41.2	48.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	6.5	*	15.0	9.1	*	15.0	11.6	*
Carotid Endarterectomy	10	0.0	1.5	*	10.0	2.7	*	20.0	4.1	*
Hip Replacement/Reconstruction	43	4.7	5.6	*	9.3	10.6	*	9.3	13.7	*
Open Reduction of Hip Fracture	51	2.0	6.5	5.6	9.8	12.3	7.9	11.8	16.1	8.1
Prostatectomy	108	1.9	0.8	1.5	3.7	1.8	1.9	5.6	3.0	2.3
Cholecystectomy	79	2.5	3.3	2.3	6.3	6.3	2.8	7.6	8.4	3.6
Hysterectomy	19	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,010	10.6	9.4	0.8	16.3	13.9	1.1	20.0	17.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	108	31.5	26.7	5.5	37.0	30.2	6.5	42.6	33.7	8.0
Congestive Heart Failure	102	17.6	15.5	3.8	27.5	23.0	4.9	36.3	29.5	6.3
Pneumonia/Influenza	85	12.9	16.4	6.5	17.6	21.6	8.9	18.8	26.0	8.8
Chronic Obstructive Pulmonary Disease	32	3.1	7.1	*	18.8	12.3	*	21.9	16.7	*
Transient Cerebral Ischemia	32	0.0	1.9	*	0.0	4.0	*	3.1	6.3	*
Stroke	78	17.9	20.7	5.2	37.2	28.0	6.3	42.3	32.5	6.5
Hip Fracture	71	11.3	8.3	5.3	16.9	14.9	5.9	21.1	19.1	5.6
Sepsis	13	53.8	32.1	*	61.5	37.6	*	61.5	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	5.1	*	9.1	9.4	*	22.7	13.0	*
Carotid Endarterectomy	23	0.0	1.7	*	4.3	3.3	*	4.3	4.6	*
Hip Replacement/Reconstruction	40	10.0	5.5	*	15.0	10.2	*	15.0	13.3	*
Open Reduction of Hip Fracture	35	8.6	7.3	*	11.4	13.7	*	20.0	17.9	*
Prostatectomy	95	1.1	0.9	1.5	6.3	2.4	2.1	8.4	4.1	2.9
Cholecystectomy	65	6.2	3.4	3.3	7.7	5.5	3.9	7.7	7.0	4.3
Hysterectomy	22	0.0	1.1	*	0.0	1.8	*	4.5	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LIMA MEMORIAL HOSPITAL

1001 Bellefontaine Avenue
Lima, OH 45804

Medicare Provider Number: 360009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,100	8.0	8.7	0.8	12.5	13.3	0.8	15.6	17.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	67	35.8	31.5	6.2	37.3	34.4	6.0	38.8	37.8	6.0
Congestive Heart Failure	121	17.4	16.2	4.2	28.1	24.3	5.1	30.6	31.1	4.6
Pneumonia/Influenza	73	16.4	17.3	4.5	23.3	23.5	5.2	27.4	28.5	5.5
Chronic Obstructive Pulmonary Disease	36	11.1	8.7	*	11.1	14.7	*	11.1	20.2	*
Transient Cerebral Ischemia	42	2.4	2.0	*	2.4	4.5	*	7.1	7.4	*
Stroke	74	16.2	20.5	6.6	23.0	27.2	7.8	27.0	31.6	8.6
Hip Fracture	65	4.6	7.1	4.7	7.7	12.5	7.7	12.3	16.0	7.6
Sepsis	17	35.3	30.3	*	47.1	37.5	*	52.9	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	5.3	*	6.3	8.7	*	12.5	11.9	*
Carotid Endarterectomy	28	0.0	1.1	*	0.0	1.9	*	0.0	2.9	*
Hip Replacement/Reconstruction	52	0.0	2.8	3.2	0.0	5.3	5.4	3.8	7.2	5.7
Open Reduction of Hip Fracture	36	8.3	7.1	*	13.9	13.1	*	16.7	16.9	*
Prostatectomy	38	0.0	0.9	*	0.0	2.2	*	2.6	3.8	*
Cholecystectomy	25	0.0	3.9	*	4.0	7.3	*	4.0	9.6	*
Hysterectomy	11	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 300
Occupancy Rate 44
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LIMA MEMORIAL HOSPITAL

Medicare Provider Number: 360009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,641	6.0	8.5	0.8	11.0	13.0	0.8	14.6	16.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	64	21.9	35.1	8.1	26.6	38.4	7.9	28.1	42.3	8.6
Congestive Heart Failure	146	11.6	16.3	5.6	20.5	24.6	5.7	27.4	31.4	6.1
Pneumonia/Influenza	87	19.5	16.3	6.1	26.4	22.0	6.9	32.2	26.6	9.5
Chronic Obstructive Pulmonary Disease	58	1.7	7.9	6.6	10.3	12.8	6.9	15.5	17.1	5.2
Transient Cerebral Ischemia	52	0.0	2.1	*	0.0	4.7	*	1.9	7.3	*
Stroke	92	13.0	21.4	8.4	19.6	27.9	9.1	26.1	32.5	8.4
Hip Fracture	66	9.1	7.3	4.0	18.2	13.4	7.4	18.2	17.5	6.9
Sepsis	26	30.8	28.9	*	42.3	36.2	*	46.2	42.6	*
PROCEDURES:										
Angioplasty	1	0.0	0.9	*	0.0	1.2	*	0.0	1.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	4.2	*	0.0	7.8	*	0.0	10.8	*
Carotid Endarterectomy	39	0.0	1.4	*	0.0	2.6	*	2.6	3.9	*
Hip Replacement/Reconstruction	63	1.6	2.5	2.3	6.3	4.6	3.1	6.3	6.2	3.0
Open Reduction of Hip Fracture	35	8.6	6.4	*	17.1	12.3	*	17.1	16.3	*
Prostatectomy	50	0.0	0.9	*	0.0	2.2	*	0.0	3.7	*
Cholecystectomy	35	2.9	2.4	*	8.6	4.1	*	8.6	5.3	*
Hysterectomy	17	0.0	2.9	*	5.9	4.1	*	5.9	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,620	7.3	9.0	0.8	11.7	13.5	0.9	15.2	17.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	89	21.3	27.9	9.1	25.8	30.9	8.9	30.3	34.3	8.7
Congestive Heart Failure	133	12.8	17.5	7.0	24.1	26.4	7.3	29.3	33.5	6.6
Pneumonia/Influenza	107	14.0	16.5	4.1	20.6	22.3	4.5	26.2	27.0	4.7
Chronic Obstructive Pulmonary Disease	59	5.1	8.6	4.4	11.9	14.3	6.3	16.9	18.9	6.3
Transient Cerebral Ischemia	44	0.0	2.1	*	4.5	4.4	*	11.4	6.8	*
Stroke	92	20.7	22.0	5.7	25.0	29.1	6.7	30.4	33.8	6.9
Hip Fracture	76	5.3	7.0	3.7	6.6	12.2	5.5	14.5	15.6	4.4
Sepsis	22	27.3	28.3	*	27.3	36.1	*	31.8	42.0	*
PROCEDURES:										
Angioplasty	2	0.0	3.8	*	0.0	5.7	*	0.0	7.2	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	1.8	*	7.1	3.8	*	7.1	5.8	*
Carotid Endarterectomy	36	2.8	1.6	*	2.8	3.0	*	2.8	4.3	*
Hip Replacement/Reconstruction	69	5.8	3.2	3.3	7.2	5.5	3.1	10.1	7.1	4.1
Open Reduction of Hip Fracture	39	2.6	5.9	*	5.1	10.8	*	15.4	14.0	*
Prostatectomy	43	2.3	0.8	*	2.3	1.8	*	4.7	3.1	*
Cholecystectomy	36	2.8	3.3	*	11.1	5.8	*	11.1	7.5	*
Hysterectomy	21	9.5	0.5	*	9.5	1.0	*	9.5	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Lima Memorial Hospital

Dedicated to Quality Care

1001 Bellefontaine Ave
Lima, Ohio 45804

419 228-3335

Medicare Provider #360009

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attn: Mrs. Sandra Kappert

Dear Mrs. Kappert:

In reviewing the Medicare Hospital Mortality Information submitted for Lima Memorial Hospital, we would like to note the following:

1) The differences in data outcomes in 1989 compared with 1987 and 1988 were effected by a four-month nurses' strike in 1989. During this time, admissions were limited to extremely ill patients, with near elimination of elective admissions. This is reflected in the severity of the patients in those categories considered medical emergencies (i.e., acute myocardial infarction) versus those in elective surgical procedure categories.

2) The data also reflected that when the discharge date and the date of death differed, the patients did not expire at Lima Memorial Hospital. The overwhelming majority of patients who did expire at Lima Memorial Hospital were in the terminal stages of their disease.

Respectfully,

John B. White
President & C.E.O.

JBW/js

LODI COMMUNITY HOSPITAL

225 Elyria St
Lodi, OH 44254

Medicare Provider Number: 360188

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	225	9.8	9.1	2.5	14.7	14.0	2.7	18.7	17.8	2.7
CONDITIONS:										
Acute Myocardial Infarction	15	40.0	29.9	*	46.7	33.2	*	53.3	36.4	*
Congestive Heart Failure	22	27.3	13.3	*	31.8	20.2	*	31.8	26.4	*
Pneumonia/Influenza	10	10.0	12.4	*	20.0	17.3	*	20.0	21.3	*
Chronic Obstructive Pulmonary Disease	7	0.0	12.0	*	0.0	19.8	*	14.3	25.6	*
Transient Cerebral Ischemia	8	0.0	2.2	*	0.0	4.8	*	12.5	7.6	*
Stroke	5	0.0	22.2	*	0.0	30.9	*	20.0	36.1	*
Hip Fracture	2	0.0	13.1	*	0.0	24.5	*	0.0	31.3	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	11.2	*	0.0	22.9	*	0.0	32.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	21.2	*	0.0	41.2	*	0.0	53.4	*
Open Reduction of Hip Fracture	1	0.0	3.2	*	0.0	5.9	*	0.0	7.8	*
Prostatectomy	4	25.0	1.6	*	25.0	4.5	*	25.0	8.2	*
Cholecystectomy	6	0.0	1.3	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 30
Occupancy Rate 33
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 19
Percent of Physicians Board Certified Specialists 68
Medical Residents/Interns 0
Registered Nurses 17
Licensed Practical Nurses 8

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LODI COMMUNITY HOSPITAL

Medicare Provider Number: 360188

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	222	5.9	7.1	1.9	13.1	11.3	2.3	17.6	14.6	2.9
CONDITIONS:										
Acute Myocardial Infarction	7	42.9	29.0	*	42.9	31.9	*	42.9	35.0	*
Congestive Heart Failure	16	12.5	16.8	*	37.5	25.5	*	43.8	32.6	*
Pneumonia/Influenza	9	22.2	16.9	*	33.3	22.8	*	33.3	27.3	*
Chronic Obstructive Pulmonary Disease	5	0.0	7.1	*	0.0	12.3	*	0.0	17.2	*
Transient Cerebral Ischemia	5	0.0	2.4	*	0.0	5.1	*	0.0	8.0	*
Stroke	5	0.0	12.9	*	20.0	18.4	*	20.0	22.1	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	8	0.0	1.3	*	0.0	3.3	*	12.5	5.6	*
Cholecystectomy	7	0.0	1.5	*	0.0	2.6	*	14.3	3.4	*
Hysterectomy	7	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	243	6.6	9.5	2.3	11.1	14.0	2.9	14.0	17.6	3.0
CONDITIONS:										
Acute Myocardial Infarction	16	12.5	33.6	*	12.5	37.1	*	25.0	41.0	*
Congestive Heart Failure	19	0.0	14.3	*	15.8	21.9	*	21.1	28.5	*
Pneumonia/Influenza	12	0.0	12.4	*	8.3	17.9	*	8.3	22.0	*
Chronic Obstructive Pulmonary Disease	8	0.0	6.6	*	0.0	11.9	*	0.0	16.3	*
Transient Cerebral Ischemia	7	0.0	2.1	*	0.0	4.5	*	0.0	7.1	*
Stroke	8	25.0	18.7	*	25.0	25.2	*	25.0	29.9	*
Hip Fracture	3	0.0	4.4	*	33.3	8.3	*	33.3	11.0	*
Sepsis	2	0.0	31.8	*	0.0	36.9	*	50.0	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.6	*	50.0	9.1	*	50.0	12.3	*
Open Reduction of Hip Fracture	2	0.0	3.3	*	50.0	6.0	*	50.0	7.9	*
Prostatectomy	7	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*
Cholecystectomy	9	0.0	1.0	*	0.0	1.7	*	0.0	2.3	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LORAIN COMMUNITY HOSPITAL

3700 Kolbe Road
Lorain, OH 44052

Medicare Provider Number: 360172

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,574	6.5	6.9	0.7	10.0	10.9	1.0	12.8	14.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	42	14.3	22.0	*	16.7	25.5	*	23.8	28.8	*
Congestive Heart Failure	88	13.6	13.4	3.7	26.1	20.6	6.6	34.1	26.9	9.3
Pneumonia/Influenza	62	12.9	13.3	4.5	17.7	18.2	5.1	19.4	22.1	6.9
Chronic Obstructive Pulmonary Disease	28	0.0	8.9	*	0.0	14.7	*	7.1	19.4	*
Transient Cerebral Ischemia	34	2.9	1.7	*	2.9	3.6	*	2.9	5.7	*
Stroke	48	20.8	18.3	*	22.9	25.0	*	22.9	29.4	*
Hip Fracture	25	12.0	6.8	*	12.0	12.3	*	16.0	16.0	*
Sepsis	16	18.8	20.7	*	18.8	27.8	*	25.0	32.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.1	*	0.0	6.7	*	11.1	10.2	*
Carotid Endarterectomy	14	7.1	1.8	*	7.1	3.7	*	7.1	5.9	*
Hip Replacement/Reconstruction	48	4.2	1.5	*	4.2	2.6	*	8.3	3.5	*
Open Reduction of Hip Fracture	13	15.4	7.4	*	15.4	14.1	*	15.4	18.6	*
Prostatectomy	48	0.0	1.1	*	2.1	2.8	*	2.1	4.6	*
Cholecystectomy	27	0.0	2.4	*	0.0	4.3	*	0.0	5.7	*
Hysterectomy	9	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 277
Occupancy Rate 57
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 104
Percent of Physicians Board Certified Specialists 83
Medical Residents/Interns 0
Registered Nurses 199
Licensed Practical Nurses 58

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LORAIN COMMUNITY HOSPITAL

Medicare Provider Number: 360172

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,477	6.8	7.9	1.0	10.2	12.2	1.2	13.1	15.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	30	26.7	29.8	*	30.0	32.8	*	30.0	36.1	*
Congestive Heart Failure	76	17.1	14.7	5.6	26.3	22.2	7.2	30.3	28.6	5.9
Pneumonia/Influenza	57	7.0	16.3	6.9	8.8	22.0	8.6	19.3	26.6	7.2
Chronic Obstructive Pulmonary Disease	39	5.1	9.0	*	5.1	14.6	*	10.3	19.3	*
Transient Cerebral Ischemia	28	0.0	2.9	*	0.0	6.2	*	3.6	9.3	*
Stroke	55	16.4	21.8	6.6	23.6	29.1	8.6	23.6	33.9	10.7
Hip Fracture	25	4.0	6.9	*	8.0	12.3	*	8.0	15.6	*
Sepsis	21	38.1	25.1	*	42.9	32.5	*	42.9	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.1	*	0.0	4.0	*	0.0	5.7	*
Carotid Endarterectomy	7	0.0	1.9	*	0.0	3.3	*	14.3	4.7	*
Hip Replacement/Reconstruction	56	1.8	1.7	2.0	3.6	3.1	2.4	3.6	3.9	2.8
Open Reduction of Hip Fracture	13	0.0	6.0	*	0.0	11.3	*	0.0	14.9	*
Prostatectomy	54	0.0	1.2	1.8	1.9	2.8	3.0	3.7	4.5	3.9
Cholecystectomy	24	0.0	2.2	*	0.0	3.7	*	0.0	4.7	*
Hysterectomy	14	0.0	1.5	*	0.0	2.2	*	0.0	3.0	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,452	7.0	8.5	1.1	11.6	13.0	1.1	14.1	16.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	27	40.7	31.1	*	40.7	34.9	*	44.4	38.5	*
Congestive Heart Failure	73	15.1	16.7	5.5	26.0	24.9	5.3	31.5	31.7	6.1
Pneumonia/Influenza	48	18.8	16.6	*	25.0	22.2	*	27.1	26.9	*
Chronic Obstructive Pulmonary Disease	44	6.8	10.5	*	13.6	16.8	*	15.9	21.7	*
Transient Cerebral Ischemia	30	0.0	2.5	*	0.0	5.1	*	0.0	7.9	*
Stroke	60	16.7	22.3	7.7	21.7	29.2	9.6	21.7	33.8	11.2
Hip Fracture	29	3.4	8.2	*	3.4	14.2	*	10.3	17.8	*
Sepsis	27	18.5	23.3	*	37.0	32.6	*	40.7	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
initial Pacemaker Insertion	8	0.0	2.8	*	0.0	5.7	*	0.0	8.4	*
Carotid Endarterectomy	21	0.0	1.9	*	0.0	3.6	*	0.0	5.2	*
Hip Replacement/Reconstruction	34	2.9	3.1	*	2.9	5.6	*	5.9	7.0	*
Open Reduction of Hip Fracture	16	0.0	6.2	*	0.0	11.4	*	0.0	14.6	*
Prostatectomy	53	0.0	1.4	1.9	0.0	3.3	3.5	1.9	5.4	4.0
Cholecystectomy	25	0.0	2.1	*	0.0	3.5	*	8.0	4.3	*
Hysterectomy	6	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

LORAIN COMMUNITY HOSPITAL

January 14, 1991

Health Care Financing Administration
Health Standards & Quality Bureau
ATTN: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Provider #36-0172

Dear Mrs. Kappert:

We wish to offer the following comments on HCFA's 1989 mortality data:

DATA VERFICIATION

1. The data from HCFA attributes 1574 Medicare admissions to Lorain Community Hospital during 1989 while our inhouse statistics reveal 2586 Medicare admissions in 1989. The discrepancy reflects a difference in the way the admissions were counted; HCFA counted one random admission for beneficiaries with multiple admissions, while the hospital statistics reflect all admissions during the year.

2. The data received by HCFA indicates that a total of 201 Medicare patients admitted to Lorain Community Hospital died within 180 days of admission, 78 (39%) of which died while an inpatient and 123 (61%) died after discharge. Of the 123 cases that died after discharge, our records indicate that 47 (38%) were discharged to other facilities (hospital, skilled nursing facility, intermediate care facility, etc.), 52 (42%) were discharged home and 24 (20%) were discharged with home health services. Therefore, 58% were discharged with continuing clinical care.

3. There were 16 cases with incorrect ages, 1 case with an incorrect discharge date, 1 case with an incorrect death date, and 6 cases with incorrect Health Insurance Claim Numbers. The corrected information is detailed in Attachment A.

4. The information from the American Hospital Association's 1989 Annual Survey of Hospitals was correct, except for the number of physicians who are board certified. HCFA reported 83 as board certified; however Lorain Community Hospital reported 86 to AHA. As reported to the AHA, Lorain Community Hospital does not have a separate, distinct coronary care unit. However, Lorain Community Hospital's coronary unit is combined with the ICU, thus Lorain Community Hospital does have the capability to care for acute coronary patients.

Health Care Financing Administration
January 14, 1991

Re: Medicare Provider #36-0172

FINDINGS

1. For those categories in which there were over 50 cases and a standard deviation was provided a range was constructed, and in all categories Lorain Community Hospital's observed mortality rate fell within the range.

2. However, the majority of categories had fewer than 50 cases, thus a standard deviation was not provided and a range could not be constructed. Since these categories are considered to not be statistically significant, these cases were referred to the Quality Assurance Program to determine clinical significance.

EVALUATING QUALITY

1. The mortality statistics do not measure quality, but rather indicate areas that should be investigated by the peer review process. A review of all deaths by a physician is an integral part of Lorain Community Hospital's Quality Assurance Program and has been done for the last several years.

2. As we all strive to evaluate quality, it must be realized that mortality statistics are only one aspect of quality measurement. Efforts by the American Hospital Association and other organizations to identify measures other than mortality to assess quality will assist all facilities in determining where they fall on the quality yardstick.

Sincerely,

Paul C. Balcom
President & Chief Executive Officer

PCB/mvt
Attachment

LUTHERAN MEDICAL CENTER

2609 Franklin Blvd
Cleveland, OH 44113

Medicare Provider Number: 360087

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,306	7.2	8.0	1.3	13.0	12.5	1.0	15.8	16.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	36	36.1	26.7	*	41.7	29.9	*	41.7	33.2	*
Congestive Heart Failure	63	12.7	14.6	5.2	22.2	23.0	5.5	30.2	30.0	5.8
Pneumonia/Influenza	34	14.7	20.4	*	29.4	28.1	*	35.3	33.4	*
Chronic Obstructive Pulmonary Disease	34	8.8	9.7	*	8.8	16.4	*	17.6	22.0	*
Transient Cerebral Ischemia	19	0.0	1.5	*	0.0	3.0	*	0.0	4.6	*
Stroke	28	32.1	22.8	*	39.3	29.2	*	42.9	33.7	*
Hip Fracture	20	0.0	6.9	*	5.0	12.4	*	5.0	16.1	*
Sepsis	19	21.1	26.5	*	26.3	36.2	*	26.3	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.0	*	0.0	4.3	*	0.0	6.7	*
Carotid Endarterectomy	15	0.0	1.7	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction	25	4.0	2.1	*	4.0	3.9	*	4.0	5.4	*
Open Reduction of Hip Fracture	9	0.0	7.4	*	11.1	13.3	*	11.1	17.0	*
Prostatectomy	35	2.9	1.3	*	5.7	2.9	*	5.7	4.6	*
Cholecystectomy	18	0.0	2.3	*	0.0	4.1	*	0.0	5.4	*
Hysterectomy	4	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 221
Occupancy Rate 52
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 293
Percent of Physicians Board Certified Specialists 62
Medical Residents/Interns 24
Registered Nurses 141
Licensed Practical Nurses 66

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

LUTHERAN MEDICAL CENTER

Medicare Provider Number: 360087

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,241	8.3	8.6	1.0	13.4	13.3	1.0	17.4	17.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	21	14.3	22.4	*	23.8	26.3	*	28.6	29.7	*
Congestive Heart Failure	75	13.3	16.9	7.8	18.7	25.7	8.2	25.3	32.9	11.3
Pneumonia/Influenza	38	15.8	18.4	*	18.4	25.1	*	26.3	30.2	*
Chronic Obstructive Pulmonary Disease	24	0.0	10.6	*	4.2	17.1	*	4.2	22.5	*
Transient Cerebral Ischemia	23	0.0	1.7	*	4.3	3.5	*	8.7	5.4	*
Stroke	33	15.2	20.0	*	21.2	26.7	*	33.3	31.2	*
Hip Fracture	20	10.0	6.9	*	10.0	12.7	*	15.0	16.5	*
Sepsis	17	17.6	23.6	*	23.5	31.6	*	29.4	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Carotid Endarterectomy	12	8.3	1.6	*	8.3	2.8	*	8.3	4.1	*
Hip Replacement/Reconstruction	17	5.9	3.0	*	5.9	5.8	*	5.9	7.9	*
Open Reduction of Hip Fracture	13	7.7	6.0	*	7.7	11.2	*	15.4	14.6	*
Prostatectomy	34	0.0	0.8	*	2.9	1.9	*	5.9	3.2	*
Cholecystectomy	16	6.3	9.3	*	12.5	14.4	*	12.5	17.1	*
Hysterectomy	2	0.0	1.9	*	0.0	4.3	*	0.0	7.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,196	9.0	9.4	0.9	15.2	14.5	1.1	19.0	18.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	27	37.0	27.6	*	37.0	31.2	*	40.7	34.5	*
Congestive Heart Failure	53	7.5	17.3	7.0	13.2	26.2	8.8	18.9	33.4	9.2
Pneumonia/Influenza	57	15.8	18.5	5.3	22.8	24.8	7.0	22.8	29.7	8.3
Chronic Obstructive Pulmonary Disease	38	7.9	13.3	*	18.4	20.9	*	21.1	26.4	*
Transient Cerebral Ischemia	16	0.0	1.5	*	6.3	3.0	*	12.5	4.5	*
Stroke	33	21.2	23.9	*	27.3	30.8	*	33.3	35.4	*
Hip Fracture	20	0.0	6.2	*	10.0	11.6	*	10.0	15.2	*
Sepsis	13	23.1	25.6	*	30.8	32.2	*	30.8	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	6.2	*	25.0	12.3	*	25.0	17.0	*
Carotid Endarterectomy	26	3.8	1.7	*	3.8	3.2	*	3.8	4.6	*
Hip Replacement/Reconstruction	19	0.0	4.1	*	5.3	7.9	*	5.3	10.6	*
Open Reduction of Hip Fracture	6	0.0	5.5	*	16.7	10.5	*	16.7	13.8	*
Prostatectomy	52	0.0	1.3	2.4	3.8	3.3	2.9	7.7	5.7	4.0
Cholecystectomy	12	0.0	5.7	*	8.3	10.2	*	16.7	13.6	*
Hysterectomy	4	0.0	2.2	*	0.0	4.9	*	0.0	7.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

183.1

LUTHERAN MEDICAL CENTER
PROVIDING A CIRCLE OF CARE

2609 Franklin Blvd.
Cleveland, Ohio 44113-2992
(216) 696-4300

HOSPITAL ID #360087

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
ATTENTION: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

To Whom It May Concern:

We have received the mortality data for Lutheran Medical Center discharges from October 1, 1988 through September 30, 1989. We have reviewed and verified the accuracy and validity to be the best of our ability within the limited time frame allowed.

As we have noted previously, we disagree with the process of assigning deaths to a hospital post discharge. The task of verification of these deaths cannot be completed within the resources of health care institutions within this limited time frame. The evaluation of deaths occurring post discharge are subjected to unlimited variables which may result in no correlation to the patient's condition at the time of the last discharge from the individual institution. As the length of time from the admission or discharge increases, the history of intervening care and changes in the patient's physical condition become essential factors for accurate evaluation and correlation to the last hospitalization.

Our ongoing internal mortality review process provides evaluation of all facets of the care provided for the patient and discussion of alternate treatment modalities to determine if changes would have resulted in different outcomes. Review of statistical data based on billing information does not provide a clear picture of the patient's age, history, physical condition and type of treatment regimens provided. Most importantly, the patient's desire for the extent of treatment or refusal of such considerations are not reflected in limited statistical data. A significant number of patients refuse treatment or the physical condition results in either the patient or family requesting no resuscitation. Patients are also admitted for terminal care. These variables in patient input to the treatment process are necessary to accurately evaluate the outcome.

HOSPITAL ID #360087

It is our hope that the training sessions for hospital and medical communities will provide an adequate information base for the evaluation of the published statistical data for the general public. As we have noted that evaluation of quality of care is the review of numerous contributing factors affecting the outcome of an individual hospitalization, it is hoped that the HCFA statistics will not be presented in any way as an indicator of the type of care provided.

Sincerely,

Jack E. Bell

Jack E. Bell
Vice President and
Chief Operating Officer

/slc

MADISON COUNTY HOSPITAL INC

210 North Main Street
London, OH 43140

Medicare Provider Number: 360189

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	463	10.2	9.7	2.4	15.6	14.4	1.9	18.6	18.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	25.8	*	23.1	29.2	*	23.1	32.6	*
Congestive Heart Failure	30	10.0	14.8	*	16.7	23.6	*	23.3	30.9	*
Pneumonia/Influenza	34	14.7	15.4	*	20.6	21.4	*	20.6	26.0	*
Chronic Obstructive Pulmonary Disease	5	0.0	8.7	*	0.0	14.2	*	20.0	18.9	*
Transient Cerebral Ischemia	17	0.0	2.0	*	5.9	4.7	*	5.9	7.7	*
Stroke	20	15.0	20.4	*	15.0	26.6	*	15.0	31.1	*
Hip Fracture	11	0.0	4.9	*	0.0	9.0	*	0.0	12.0	*
Sepsis	5	40.0	27.3	*	40.0	32.9	*	60.0	38.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.1	*	0.0	7.9	*	0.0	10.6	*
Open Reduction of Hip Fracture	4	0.0	4.7	*	0.0	9.4	*	0.0	12.8	*
Prostatectomy	24	4.2	1.1	*	8.3	2.6	*	12.5	4.3	*
Cholecystectomy	8	0.0	3.0	*	12.5	5.8	*	12.5	8.0	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 101
Occupancy Rate 49
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 27
Percent of Physicians Board Certified Specialists 26
Medical Residents/Interns 0
Registered Nurses 42
Licensed Practical Nurses 6

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MADISON COUNTY HOSPITAL INC

Medicare Provider Number: 360189

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	437	10.8	9.4	1.8	14.4	13.7	1.8	17.8	17.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	17	52.9	38.7	*	58.8	44.2	*	58.8	48.5	*
Congestive Heart Failure	26	15.4	17.1	*	15.4	26.4	*	19.2	33.7	*
Pneumonia/Influenza	22	13.6	15.8	*	27.3	22.2	*	36.4	27.1	*
Chronic Obstructive Pulmonary Disease	6	0.0	9.4	*	16.7	15.5	*	33.3	20.6	*
Transient Cerebral Ischemia	22	0.0	2.4	*	0.0	5.3	*	4.5	8.2	*
Stroke	21	9.5	22.8	*	14.3	28.1	*	19.0	32.6	*
Hip Fracture	17	11.8	6.7	*	17.6	12.3	*	23.5	15.9	*
Sepsis	9	22.2	31.3	*	22.2	37.4	*	33.3	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.9	*	20.0	9.6	*	20.0	12.8	*
Open Reduction of Hip Fracture	9	11.1	6.6	*	11.1	12.3	*	11.1	15.9	*
Prostatectomy	17	0.0	1.0	*	5.9	2.5	*	11.8	4.1	*
Cholecystectomy	7	0.0	1.7	*	0.0	2.9	*	0.0	3.8	*
Hysterectomy	6	0.0	1.0	*	0.0	2.2	*	0.0	3.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	506	9.7	10.4	1.5	15.2	14.8	1.7	18.8	18.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	29	41.4	31.0	*	41.4	34.3	*	41.4	37.8	*
Congestive Heart Failure	25	12.0	16.2	*	24.0	24.7	*	28.0	31.8	*
Pneumonia/Influenza	29	3.4	17.3	*	13.8	23.8	*	20.7	29.1	*
Chronic Obstructive Pulmonary Disease	8	0.0	7.3	*	12.5	12.6	*	12.5	17.2	*
Transient Cerebral Ischemia	14	0.0	2.0	*	0.0	4.5	*	0.0	7.3	*
Stroke	28	7.1	19.6	*	7.1	25.2	*	14.3	29.5	*
Hip Fracture	10	10.0	6.6	*	20.0	12.1	*	20.0	15.8	*
Sepsis	16	37.5	36.1	*	37.5	42.5	*	37.5	49.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	7.8	*	25.0	15.8	*	25.0	22.4	*
Open Reduction of Hip Fracture	5	0.0	5.6	*	20.0	11.2	*	20.0	15.1	*
Prostatectomy	23	0.0	0.6	*	0.0	1.4	*	4.3	2.4	*
Cholecystectomy	13	7.7	3.6	*	15.4	6.7	*	15.4	9.1	*
Hysterectomy	7	0.0	0.8	*	0.0	1.6	*	0.0	2.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MANSFIELD GENERAL HOSPITAL

335 Glessner Ave
Mansfield, OH 44903

Medicare Provider Number: 360118

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,284	10.7	7.8	1.0	15.8	12.2	1.2	18.8	15.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	84	34.5	20.4	6.4	35.7	23.2	6.3	36.9	26.2	6.2
Congestive Heart Failure	111	18.9	14.5	5.8	30.6	22.7	7.7	36.9	29.5	8.3
Pneumonia/Influenza	76	13.2	12.5	3.9	14.5	17.4	5.4	17.1	21.7	6.9
Chronic Obstructive Pulmonary Disease	40	12.5	6.4	*	17.5	11.3	*	22.5	15.6	*
Transient Cerebral Ischemia	61	3.3	1.6	2.2	4.9	3.4	2.8	4.9	5.2	3.4
Stroke	93	17.2	16.3	6.3	26.9	22.4	7.0	28.0	26.5	5.4
Hip Fracture	60	5.0	5.1	2.9	6.7	9.7	4.7	13.3	13.1	5.0
Sepsis	8	0.0	22.9	*	12.5	30.4	*	12.5	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	3.3	*	5.0	6.3	*	20.0	9.3	*
Carotid Endarterectomy	37	2.7	1.3	*	5.4	2.3	*	5.4	3.4	*
Hip Replacement/Reconstruction	40	2.5	3.1	*	5.0	6.1	*	7.5	8.3	*
Open Reduction of Hip Fracture	28	7.1	4.3	*	7.1	8.6	*	10.7	11.8	*
Prostatectomy	71	0.0	0.5	0.9	0.0	1.2	1.6	1.4	2.0	2.0
Cholecystectomy	35	0.0	2.6	*	2.9	4.8	*	2.9	6.4	*
Hysterectomy	13	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 319
Occupancy Rate 62
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 129
Percent of Physicians Board Certified Specialists 68
Medical Residents/Interns 0
Registered Nurses 335
Licensed Practical Nurses 56

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

MANSFIELD GENERAL HOSPITAL

Medicare Provider Number: 360118

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,318	9.3	7.8	0.7	14.1	12.1	1.0	17.6	15.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	79	20.3	19.6	7.9	21.5	22.7	6.9	24.1	26.0	5.6
Congestive Heart Failure	107	21.5	14.9	5.6	27.1	22.7	5.4	35.5	29.2	6.5
Pneumonia/Influenza	61	18.5	15.8	8.1	28.4	21.7	11.2	32.1	26.2	9.2
Chronic Obstructive Pulmonary Disease	33	12.1	8.0	*	24.2	10.7	*	30.3	14.8	*
Transient Cerebral Ischemia	65	0.0	1.6	*	4.6	3.4	*	4.6	5.3	*
Stroke	98	27.6	19.8	8.6	32.7	26.7	8.9	36.7	31.3	7.7
Hip Fracture	66	5.9	5.8	3.3	11.8	10.6	6.1	19.1	13.9	7.2
Sepsis	23	13.0	27.4	*	21.7	35.1	*	30.4	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	2.3	*	4.5	4.7	*	13.6	6.9	*
Carotid Endarterectomy	60	1.7	1.4	1.8	1.7	2.8	2.4	1.7	4.1	3.0
Hip Replacement/Reconstruction	42	4.8	3.3	*	9.5	6.6	*	14.3	8.9	*
Open Reduction of Hip Fracture	31	0.0	5.5	*	6.5	10.5	*	16.1	14.0	*
Prostatectomy	118	0.8	0.6	0.8	2.5	1.5	1.6	2.5	2.6	1.5
Cholecystectomy	37	0.0	2.7	*	8.1	5.3	*	13.5	7.3	*
Hysterectomy	22	0.0	1.3	*	4.5	2.6	*	4.5	3.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,372	10.5	7.6	0.7	15.6	12.0	0.8	19.0	15.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	79	29.1	21.4	7.9	32.9	24.5	8.4	36.7	27.7	9.3
Congestive Heart Failure	73	21.9	15.2	5.6	27.4	23.5	5.2	28.8	30.5	5.4
Pneumonia/Influenza	50	20.0	16.4	*	30.0	22.2	*	34.0	26.9	*
Chronic Obstructive Pulmonary Disease	33	21.2	8.6	*	36.4	14.7	*	39.4	19.6	*
Transient Cerebral Ischemia	61	1.6	2.1	2.3	4.9	4.6	3.4	8.2	7.1	3.8
Stroke	81	27.2	20.2	6.4	32.1	27.3	5.9	33.3	31.9	5.4
Hip Fracture	59	3.4	5.6	4.4	8.5	10.7	6.6	8.5	14.3	7.3
Sepsis	16	12.5	27.1	*	12.5	34.0	*	18.8	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	0.0	2.9	*	3.4	6.2	*	10.3	9.4	*
Carotid Endarterectomy	62	0.0	1.6	2.5	3.2	3.0	2.6	6.5	4.2	4.1
Hip Replacement/Reconstruction	32	0.0	3.0	*	6.3	5.9	*	6.3	7.9	*
Open Reduction of Hip Fracture	24	0.0	5.1	*	4.2	10.2	*	4.2	14.0	*
Prostatectomy	116	1.7	0.6	0.9	5.2	1.4	2.1	6.9	2.3	2.7
Cholecystectomy	34	2.9	2.5	*	5.9	4.7	*	5.9	6.2	*
Hysterectomy	18	0.0	0.3	*	0.0	0.7	*	5.6	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MARIETTA MEMORIAL HOSPITAL

Matthew Ferguson Streets
Marietta, OH 45750

Medicare Provider Number: 360147

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,344	11.8	9.9	1.1	17.5	14.8	1.5	21.1	18.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	31	29.0	25.2	*	29.0	28.6	*	32.3	32.1	*
Congestive Heart Failure	95	23.2	15.2	6.4	34.7	23.1	7.1	40.0	29.6	6.9
Pneumonia/Influenza	78	17.9	16.2	6.2	25.6	22.2	8.1	29.5	26.8	6.7
Chronic Obstructive Pulmonary Disease	39	7.7	8.4	*	10.3	14.9	*	23.1	20.6	*
Transient Cerebral Ischemia	15	6.7	1.7	*	20.0	3.8	*	26.7	6.0	*
Stroke	46	21.7	22.7	*	30.4	28.8	*	34.8	33.3	*
Hip Fracture	30	16.7	7.5	*	20.0	13.4	*	20.0	17.3	*
Sepsis	25	8.0	21.8	*	36.0	28.2	*	40.0	33.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	14	14.3	5.5	*	14.3	10.6	*	14.3	14.1	*
Open Reduction of Hip Fracture	15	20.0	7.3	*	26.7	13.4	*	26.7	17.4	*
Prostatectomy	73	1.4	1.8	2.0	4.1	3.8	3.3	5.5	6.2	3.7
Cholecystectomy	30	3.3	4.0	*	10.0	7.3	*	16.7	9.6	*
Hysterectomy	12	0.0	1.8	*	0.0	4.2	*	0.0	6.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 204
Occupancy Rate 50
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 49
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 0
Registered Nurses 108
Licensed Practical Nurses 53

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MARIETTA MEMORIAL HOSPITAL

Medicare Provider Number: 360147

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,391	9.8	9.0	1.1	14.0	13.7	1.0	17.5	17.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	42	31.0	27.8	*	35.7	30.9	*	38.1	34.3	*
Congestive Heart Failure	77	16.9	15.5	4.5	19.5	23.4	6.4	24.7	30.0	8.0
Pneumonia/Influenza	90	21.1	15.3	5.3	30.0	20.9	7.4	35.6	25.3	8.1
Chronic Obstructive Pulmonary Disease	43	16.3	7.8	*	20.9	13.7	*	23.3	19.0	*
Transient Cerebral Ischemia	28	0.0	2.3	*	0.0	4.9	*	3.6	7.8	*
Stroke	45	26.7	19.0	*	31.1	25.9	*	31.1	30.5	*
Hip Fracture	35	5.7	6.8	*	5.7	12.4	*	11.4	16.1	*
Sepsis	20	35.0	29.9	*	40.0	38.5	*	45.0	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	24.4	*	0.0	27.1	*	0.0	30.0	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	11	9.1	5.3	*	9.1	9.8	*	18.2	12.7	*
Open Reduction of Hip Fracture	21	4.8	5.3	*	4.8	10.3	*	9.5	13.7	*
Prostatectomy	54	0.0	1.4	2.1	0.0	3.3	3.8	1.9	5.3	4.7
Cholecystectomy	30	0.0	2.4	*	3.3	4.1	*	3.3	5.2	*
Hysterectomy	11	9.1	1.6	*	9.1	3.2	*	9.1	4.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,447	11.2	9.2	1.2	14.9	13.9	1.0	18.2	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	47	36.2	26.1	*	42.6	29.5	*	46.8	33.0	*
Congestive Heart Failure	73	23.3	16.8	8.3	30.1	25.5	7.2	38.4	32.7	7.4
Pneumonia/Influenza	74	20.3	19.6	4.8	24.3	26.2	5.4	28.4	31.3	6.4
Chronic Obstructive Pulmonary Disease	46	8.7	10.0	*	21.7	16.6	*	23.9	21.7	*
Transient Cerebral Ischemia	34	2.9	1.8	*	5.9	3.9	*	5.9	6.1	*
Stroke	60	26.7	19.0	6.5	28.3	26.6	6.0	33.3	31.3	6.1
Hip Fracture	52	5.8	6.7	3.7	5.8	12.1	5.6	5.8	15.7	7.6
Sepsis	13	46.2	26.8	*	46.2	34.0	*	46.2	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.3	*	0.0	4.8	*	11.1	7.3	*
Carotid Endarterectomy	15	0.0	1.7	*	0.0	3.4	*	0.0	4.9	*
Hip Replacement/Reconstruction	25	0.0	4.8	*	0.0	9.0	*	4.0	12.0	*
Open Reduction of Hip Fracture	27	11.1	6.4	*	11.1	11.9	*	11.1	15.6	*
Prostatectomy	85	1.2	1.3	1.4	2.4	3.0	2.0	4.7	5.0	2.4
Cholecystectomy	35	5.7	3.8	*	5.7	5.7	*	8.6	7.0	*
Hysterectomy	12	0.0	0.7	*	0.0	1.3	*	0.0	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MARION GENERAL HOSPITAL

McKinley Park Dr
Marion, OH 43302

Medicare Provider Number: 360011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,298	9.6	8.2	1.1	13.6	12.2	1.1	15.5	15.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	43	30.2	28.0	*	32.6	30.9	*	32.6	34.3	*
Congestive Heart Failure	56	19.6	14.9	5.3	21.4	22.8	5.6	25.0	29.3	6.7
Pneumonia/Influenza	48	29.2	16.0	*	31.3	21.5	*	33.3	26.1	*
Chronic Obstructive Pulmonary Disease	14	21.4	9.6	*	21.4	15.7	*	21.4	21.0	*
Transient Cerebral Ischemia	27	0.0	2.3	*	7.4	5.3	*	7.4	8.4	*
Stroke	43	18.6	24.8	*	25.6	31.3	*	27.9	35.9	*
Hip Fracture	42	2.4	7.0	*	2.4	11.9	*	4.8	15.0	*
Sepsis	8	50.0	35.1	*	62.5	42.1	*	62.5	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.2	*	0.0	6.3	*	0.0	9.2	*
Carotid Endarterectomy	27	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	38	2.6	3.0	*	2.6	5.5	*	5.3	7.3	*
Open Reduction of Hip Fracture	23	0.0	6.4	*	0.0	11.4	*	0.0	14.5	*
Prostatectomy	81	2.5	0.7	1.3	6.2	1.8	2.4	8.6	3.1	3.2
Cholecystectomy	52	3.8	2.8	2.5	3.8	4.6	3.0	3.8	5.9	3.7
Hysterectomy	14	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	178
Occupancy Rate	52
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	72
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	169
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARION GENERAL HOSPITAL

Medicare Provider Number: 360011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,392	9.3	9.0	1.3	14.4	13.4	1.4	17.2	16.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	41	26.8	26.2	*	31.7	29.6	*	34.1	33.3	*
Congestive Heart Failure	74	17.6	15.3	7.5	32.4	23.2	7.8	35.1	29.8	6.3
Pneumonia/Influenza	51	7.8	16.2	10.5	15.7	21.6	9.1	23.5	26.2	6.9
Chronic Obstructive Pulmonary Disease	6	16.7	11.6	*	33.3	17.9	*	33.3	23.1	*
Transient Cerebral Ischemia	31	0.0	2.2	*	0.0	4.5	*	6.5	7.0	*
Stroke	51	19.6	24.0	7.1	25.5	31.2	8.9	29.4	36.1	10.9
Hip Fracture	29	3.4	7.3	*	6.9	13.2	*	13.8	16.8	*
Sepsis	3	0.0	23.0	*	0.0	28.5	*	33.3	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	4.0	*	9.1	7.6	*	9.1	11.1	*
Carotid Endarterectomy	29	3.4	1.3	*	3.4	2.5	*	3.4	3.5	*
Hip Replacement/Reconstruction	44	4.5	3.1	*	9.1	5.8	*	9.1	7.6	*
Open Reduction of Hip Fracture	10	0.0	6.9	*	0.0	13.3	*	20.0	17.4	*
Prostatectomy	67	1.5	0.9	1.3	4.5	2.0	2.7	4.5	3.3	3.2
Cholecystectomy	46	4.3	3.0	*	6.5	5.6	*	10.9	7.6	*
Hysterectomy	14	0.0	0.8	*	0.0	1.7	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,400	10.9	10.3	0.9	16.7	14.8	1.6	19.9	18.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	61	31.1	32.7	6.4	36.1	36.2	6.2	41.0	39.9	6.5
Congestive Heart Failure	55	32.7	17.9	9.3	41.8	26.3	10.0	45.5	33.0	9.1
Pneumonia/Influenza	61	23.0	19.2	6.0	31.1	25.8	9.0	41.0	31.0	11.2
Chronic Obstructive Pulmonary Disease	10	10.0	11.7	*	10.0	19.5	*	10.0	25.4	*
Transient Cerebral Ischemia	22	0.0	2.5	*	0.0	5.4	*	4.5	8.3	*
Stroke	40	25.0	24.1	*	30.0	30.2	*	35.0	34.7	*
Hip Fracture	32	6.3	7.0	*	18.8	12.5	*	18.8	16.2	*
Sepsis	16	31.3	30.6	*	43.8	37.9	*	50.0	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	3.0	*	8.3	5.6	*	8.3	8.0	*
Carotid Endarterectomy	24	0.0	1.2	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	37	2.7	3.0	*	8.1	5.4	*	8.1	7.0	*
Open Reduction of Hip Fracture	17	5.9	6.3	*	17.6	12.1	*	17.6	16.1	*
Prostatectomy	65	1.5	0.7	1.4	1.5	1.7	1.7	1.5	2.9	2.4
Cholecystectomy	55	3.6	1.8	2.6	5.5	3.0	3.1	5.5	3.8	4.2
Hysterectomy	10	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MARION GENERAL HOSPITAL
a U.S. Health affiliate
McKinley Park Drive
Marion, Ohio 43302
(614) 383 8400

Marion General Hospital (MGH) is a 257, (although currently operates at 178 beds) bed, private, not for profit, acute care facility. The hospital serves as the subregional referral center for a seven-county area. Approximately 8,000 patients are discharged from MGH annually, of which approximately 33% are Medicare beneficiaries.

Marion General Hospital is also the acute care provider for Health Ohio, the area's largest health maintenance organization (HMO) which serves over 4,700 Medicare enrollees annually.

Numerous programs of special interest to the elderly draw the "over 65" age group to MGH. Cardiac Rehabilitation, an accredited diabetic education program, an Alzheimer's project and an elder "V.I.P." program are designed to meet the needs of the elderly. In addition, the hospital has the first JCAHO accredited Hospice program in the State of Ohio.

The Board of Directors, administration and Medical Staff of Marion General Hospital have a commitment to providing high quality health care services to the Marion area community. As part of that commitment, quality assurance systems have been established within the hospital and Medical Staff organization. The Quality Assurance mission is to enhance patient safety and satisfaction, promote appropriate utilization of resources, reduce the probability of preventable adverse clinical outcomes, and promote high standards of clinical practice. This is achieved through ongoing systematic, and comprehensive patient care monitoring and evaluation, including among many other elements, indepth review of each patient death.

The data printed by HCFA indicates that Fiscal Year for 1989, a total of 1,298 Medicare patients were discharged from MGH. However, our own hospital statistics indicate there were 2,199 discharges during this time period. This discrepancy may reflect multiple admissions of individual beneficiaries, however, this has not been verified. It should be mentioned that we found this discrepancy with number of Medicare patients in FY 1988 and FY 1987. According to our records, MGH treated 2,295 Medicare patients in FY 1988 (rather than 1,392 as published) and 2,138 Medicare patients in FY 1987 (rather than 1,400 as published). In addition, to date MGH has 127 total physicians on staff. The "active staff" is comprised of 72 physicians of which 64% are Board certified. According to our Personnel records Marion General Hospital has 243 R.N.'s and 25 L.P.N.'s.

It is important to note that from Fiscal Year (FY) 1987 to 1989. MGH's predicted mortality rates fell from above predicted rates to within predicted rates in the Stroke category. Also from FY 1988 to 1989, the predicted mortality rates fell from above to below predicted rates in the Pacemaker Insertion, Carotid Endarterectomy and Hip Replacement categories.

For FY 1989, overall MGH had a small number of categories (3) where the standard deviation was calculated due to the low numbers of patients in each category. After further review of the 3 categories and taking the standard deviation into consideration, only 1 category (Prostatectomy) was above predicted mortality rates under the 30 day statistics. In the 180 day statistics, MGH mortality rates are within expected ranges.

It is important to note that each patient's record is reviewed as part of the Marion General Hospital Quality Assurance program. Further indepth death review is done by the Chairman of each Medical Staff Department.

Taking into consideration all of the categories observed and predicted rates further review was done in the following categories: acute myocardial infarction, pneumonia/influenza, chronic obstructive pulmonary disease, sepsis and prostatectomy, where the observed mortality rates were above predicted rates.

A breakdown of whether the patient died at MGH or following discharge and the cause of death as documented on the death certificate was done in those five categories with the following results:

Acute myocardial infarction: 6/16 patients died AFTER discharge from MGH.
Further review of 5 death certificates indicated 4 of the patients had died of congestive heart failure.

Pneumonia - 11/17 patients died AFTER discharge from MGH. Only 1 of those patient's cause of death was listed as pneumonia. Other causes of death included cancer of the lung, chronic obstructive pulmonary disease, coronary artery disease, myocardial infarction, or cardiorespiratory arrest.

Chronic obstructive pulmonary disease - 3/4 patients died AFTER discharge from MGH. One patient died out of the Marion County, 1 died from cardiorespiratory arrest while the other patient died from respiratory failure/emphysema 15 months following the MGH discharge.

Sepsis - All 4/8 patients in this category died at MGH.

Prostatectomy - All 8/8 patients that died in this category died AFTER discharge from MGH, NONE of them due to surgical complications. Cause of deaths were acute myocardial infarction, second stage congestive heart failure, anoxic brain damage with the deaths occurring from 1 month to 8 months following discharge.

In summary, 56% of the patients who died in those 5 categories died after discharge from Marion General Hospital with 83% of those deaths not directly related to the category to which they were assigned.

An in-depth chart review had been done earlier in the year with physicians of the Utilization Review Committee reviewing the medical records of patients with pneumonia. Elements of review were admission source, principal and secondary diagnoses, chest x-ray results, sputum culture, and antibiotic sensitive to culture results. After chart review it was determined that patients had been managed appropriately. These findings were shared with the appropriate medical staff departments - Internal Medicine and Family Practice.

We caution the review of HCFA Medicare mortality information against using these statistics to make judgments about the quality of care at MGH. These statistics cannot establish "why" rates differ among hospitals or within a single hospital from year to year. We pledge a commitment to patient care excellence and to the provision of meaningful health care information to the public we serve.

MARY RUTAN HOSPITAL

205 Palmer Avenue
Bellefontaine, OH 43311

Medicare Provider Number: 360197

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	767	9.3	8.7	1.4	14.6	13.3	1.8	18.3	17.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	25	28.0	25.6	*	28.0	30.2	*	32.0	34.1	*
Congestive Heart Failure	39	23.1	13.3	*	25.6	20.6	*	30.8	27.1	*
Pneumonia/Influenza	43	14.0	15.5	*	18.6	21.2	*	20.9	25.8	*
Chronic Obstructive Pulmonary Disease	20	5.0	4.0	*	10.0	7.8	*	20.0	11.5	*
Transient Cerebral Ischemia	16	6.3	2.3	*	6.3	5.1	*	6.3	8.2	*
Stroke	31	12.9	17.1	*	16.1	23.8	*	22.6	28.0	*
Hip Fracture	15	13.3	8.4	*	20.0	14.7	*	20.0	18.7	*
Sepsis	8	37.5	29.3	*	62.5	39.2	*	62.5	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	4.9	*	15.4	8.0	*	15.4	10.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	0.0	1.8	*	0.0	2.7	*	0.0	3.6	*
Open Reduction of Hip Fracture	11	18.2	7.7	*	27.3	13.8	*	27.3	17.6	*
Prostatectomy	31	3.2	1.2	*	6.5	2.8	*	6.5	4.7	*
Cholecystectomy	9	0.0	3.0	*	11.1	5.1	*	11.1	6.2	*
Hysterectomy	7	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	105
Occupancy Rate	40
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	36
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	115
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARY RUTAN HOSPITAL

Medicare Provider Number: 360197

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	949	11.5	9.4	1.2	15.5	13.9	1.3	18.1	17.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	44	29.5	27.0	*	34.1	30.6	*	38.6	33.9	*
Congestive Heart Failure	47	12.8	14.4	*	25.5	22.2	*	31.9	28.6	*
Pneumonia/Influenza	42	21.4	17.0	*	21.4	22.8	*	26.2	27.2	*
Chronic Obstructive Pulmonary Disease	22	0.0	5.0	*	0.0	9.0	*	4.5	12.5	*
Transient Cerebral Ischemia	24	0.0	2.5	*	0.0	5.3	*	4.2	8.2	*
Stroke	36	25.0	17.5	*	30.6	24.5	*	33.3	29.0	*
Hip Fracture	27	7.4	6.7	*	7.4	11.9	*	11.1	15.2	*
Sepsis	16	37.5	34.4	*	50.0	44.4	*	50.0	51.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	8.8	*	0.0	11.3	*	0.0	13.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.4	*	0.0	6.5	*	0.0	8.5	*
Open Reduction of Hip Fracture	14	14.3	6.5	*	14.3	12.3	*	21.4	16.0	*
Prostatectomy	41	2.4	2.1	*	2.4	3.9	*	2.4	5.6	*
Cholecystectomy	8	0.0	1.5	*	0.0	3.2	*	0.0	5.0	*
Hysterectomy	6	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	999	10.6	9.6	1.3	14.9	14.2	1.3	17.9	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	49	30.6	28.6	*	36.7	31.9	*	38.8	35.3	*
Congestive Heart Failure	66	19.7	16.0	5.9	30.3	24.3	8.4	40.9	31.4	11.7
Pneumonia/Influenza	36	16.7	17.3	*	19.4	24.2	*	19.4	29.5	*
Chronic Obstructive Pulmonary Disease	32	15.6	6.7	*	18.8	12.3	*	25.0	17.1	*
Transient Cerebral Ischemia	18	0.0	2.8	*	0.0	6.0	*	0.0	9.7	*
Stroke	52	25.0	24.3	6.1	30.8	30.7	7.6	32.7	35.6	7.1
Hip Fracture	10	0.0	6.7	*	30.0	11.9	*	30.0	15.2	*
Sepsis	15	20.0	34.2	*	26.7	42.8	*	33.3	49.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	3.0	*	0.0	6.1	*	0.0	9.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	2.1	*	9.1	4.3	*	9.1	5.9	*
Open Reduction of Hip Fracture	5	0.0	6.8	*	40.0	12.1	*	40.0	15.5	*
Prostatectomy	34	2.9	1.5	*	2.9	3.7	*	2.9	6.1	*
Cholecystectomy	9	0.0	3.0	*	0.0	4.9	*	0.0	6.2	*
Hysterectomy	5	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MARYMOUNT HOSPITAL

12300 McCracken Road
Garfield Heights, OH 44125

Medicare Provider Number: 360143

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,240	8.5	9.5	0.8	12.9	14.3	1.0	16.2	18.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	88	34.1	29.0	5.8	36.4	32.6	5.5	37.5	36.3	5.2
Congestive Heart Failure	161	15.5	16.5	3.4	25.5	25.7	3.7	28.6	33.0	4.8
Pneumonia/Influenza	71	7.0	19.8	6.8	12.7	26.7	7.4	19.7	31.8	7.1
Chronic Obstructive Pulmonary Disease	50	6.0	9.0	*	12.0	15.2	*	14.0	20.2	*
Transient Cerebral Ischemia	81	2.5	2.1	3.7	8.6	4.8	4.5	9.9	7.7	4.2
Stroke	85	22.4	21.0	4.7	29.4	27.8	5.1	32.9	32.2	5.2
Hip Fracture	45	6.7	6.4	*	6.7	11.4	*	11.1	14.7	*
Sepsis	20	10.0	25.2	*	15.0	33.0	*	35.0	38.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	4.2	*	0.0	8.4	*	4.3	12.2	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction	13	7.7	6.8	*	15.4	14.0	*	15.4	20.0	*
Open Reduction of Hip Fracture	29	6.9	5.8	*	6.9	10.9	*	10.3	14.4	*
Prostatectomy	73	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*
Cholecystectomy	43	0.0	2.6	*	0.0	4.3	*	0.0	5.4	*
Hysterectomy	18	0.0	0.3	*	0.0	0.5	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 279
Occupancy Rate 66
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 142
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 0
Registered Nurses 193
Licensed Practical Nurses 105

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MARYMOUNT HOSPITAL

Medicare Provider Number: 360143

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,210	7.9	10.0	1.0	13.5	15.0	0.9	16.3	18.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	59	23.7	28.6	9.2	25.4	32.0	9.1	30.5	35.6	8.5
Congestive Heart Failure	164	14.0	17.4	4.6	22.0	26.5	5.6	26.8	33.7	7.3
Pneumonia/Influenza	82	12.2	18.2	8.7	20.7	24.9	8.1	25.6	30.0	7.3
Chronic Obstructive Pulmonary Disease	50	6.0	10.7	*	14.0	18.0	*	16.0	24.1	*
Transient Cerebral Ischemia	59	1.7	1.9	2.1	6.8	4.2	3.8	8.5	6.6	5.4
Stroke	102	22.5	22.6	7.0	31.4	29.7	9.4	37.3	34.4	8.4
Hip Fracture	40	0.0	7.0	*	12.5	12.3	*	12.5	15.6	*
Sepsis	11	27.3	24.8	*	27.3	30.2	*	27.3	35.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	6.0	*	16.7	10.1	*	22.2	14.1	*
Carotid Endarterectomy	9	11.1	1.4	*	11.1	2.4	*	11.1	3.5	*
Hip Replacement/Reconstruction	11	9.1	8.5	*	27.3	17.2	*	27.3	23.0	*
Open Reduction of Hip Fracture	26	0.0	6.0	*	11.5	11.1	*	11.5	14.4	*
Prostatectomy	58	0.0	1.2	1.7	3.4	2.6	2.9	3.4	4.1	2.9
Cholecystectomy	26	0.0	2.9	*	3.8	5.4	*	3.8	7.3	*
Hysterectomy	19	0.0	1.5	*	5.3	2.9	*	10.5	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,256	8.5	10.0	0.9	12.9	14.9	1.1	16.7	18.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	86	23.3	28.5	8.2	30.2	31.9	7.8	33.7	35.5	6.0
Congestive Heart Failure	167	18.0	18.9	3.2	26.3	28.8	3.9	29.9	36.5	5.3
Pneumonia/Influenza	60	8.3	17.6	6.6	16.7	24.0	6.3	28.3	29.0	5.9
Chronic Obstructive Pulmonary Disease	55	10.9	12.0	5.8	16.4	19.2	5.9	27.3	24.6	6.5
Transient Cerebral Ischemia	76	1.3	2.2	2.2	2.6	4.7	3.1	6.6	7.4	3.2
Stroke	90	13.3	21.4	6.8	17.8	28.0	7.6	23.3	32.4	7.7
Hip Fracture	33	12.1	7.1	*	12.1	12.5	*	12.1	15.9	*
Sepsis	13	23.1	26.8	*	23.1	33.9	*	23.1	39.1	*
PROCEDURES:										
Angioplasty	1	0.0	10.9	*	0.0	12.4	*	0.0	14.0	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	8.0	5.2	*	8.0	9.5	*	8.0	12.9	*
Carotid Endarterectomy	9	0.0	1.5	*	0.0	2.7	*	0.0	3.8	*
Hip Replacement/Reconstruction	5	0.0	4.5	*	0.0	8.5	*	0.0	11.1	*
Open Reduction of Hip Fracture	24	12.5	6.8	*	12.5	12.4	*	12.5	16.0	*
Prostatectomy	88	0.0	1.1	1.5	1.1	2.7	2.4	3.4	4.4	3.8
Cholecystectomy	38	2.6	3.9	*	5.3	6.9	*	7.9	8.7	*
Hysterectomy	18	5.6	0.8	*	5.6	1.7	*	11.1	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

[redacted]

195.1

360143

MARYMOUNT

Marymount Hospital
12300 McCracken Road
Garfield Heights, Ohio 44125-2975
Telephone 216-581-0500

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Marymount Hospital wishes to express its appreciation for the opportunity to respond to both the intent and the potential implications of the proposed HCFA Release of Selected Mortality Information.

Having reviewed the HCFA 1989 Medicare Mortality Statistics, we are not in a position to comment on the validity of the statistical methodology. However, we feel there is a discrepancy in the number of cases reported, even after eliminating multiple admissions to this hospital. This dicrepancy has resulted in an increase of Marymount cases 16% above the HHS stated figure.

This variance raises the question in our minds as to whether the HHS data recorded can be appropriately used to measure Marymount's death rates. Although none of our rates are outside the standard deviation, when the additional cases are factored in to the reported categories the variance between observed and predicted rated changes significantly. The ammendments to this letter list by category those specific cases which are not accounted for in your listing as well as the revised 30 day death rates including these cases.

Further discrepancies in the information provided under "Hospital Characteristics" is included in the ammendment mentioned above.

As in the past, we concur with your conclusion that this information, by itself, is not a complete measure of the quality of care at an individual hospital. We applaud the concern and sensitivity with which this process has been approached but wish to again indicate a concern that this process is subject to significant mininterpretation.

We wish to again thank the Department of Health and Human Services for the opportunity to review and comment upon the proposed release of selected mortality information. It is our understanding that these comments will be appended to our hospital specific information.

Sincerely,

Thomas J. Trudell
President and
Chief Executive Officer

TJT:cb
Attachments: 4

A Catholic Health Care System
Sponsored by the Sisters of Charity
of the Third Order of St. Francis

VHA
Member Voluntary Hospitals of America, Inc.

What makes us different
is what makes us better

[redacted]

A member of the
Emerald Health Network

Discrepancy in Case Totals and Patient Totals by Category

Marymount	2,603
HCFA	2,240
Difference:	363 (16%)

Myocardial Infarct	# Patients	# Deaths	Death Rate
Medicare	88	30	34.1
Marymount	119	33	27.7
Trans Cerebral Ischemia			
Medicare	81	2	2.5
Marymount	93	2	2.2
Stroke			
Medicare	85	19	22.4
Marymount	107	20	18.7
Hip Fracture			
Medicare	45 *	3	6.7
Marymount	54	3	5.6
Hip Replacement			
Medicare	13	1	7.7
Marymount	14	1	7.1
Open Reduction Hip Fracture			
Medicare	29 *	2	6.9
Marymount	35	2	5.7

* Patient [redacted] is included in these categories in error. Financial class is commercial insurance not Medicare.

HOSPITAL CHARACTERISTICS	HCFA	CORRECTIONS
OCCUPANCY RATE (%)	66	65
STAFFING (AS OF SEPTEMBER 30, 1989):		
TOTAL NUMBER OF PHYSICIANS	142	152
PERCENT OF PHYSICIANS WHO ARE BOARD CERTIFIED SPECIALISTS	80	78
REGISTERED NURSES	193	163
LISCENSED PRACTICAL NURSES	105	91
SPECIALITY SERVICES:		
CARDIAC INTENSIVE CARE	NO	YES

MASSILLON COMMUNITY HOSPITAL

875 Eighth St NE
Massillon, OH 44646

Medicare Provider Number: 360100

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,380	10.7	8.8	1.0	14.1	13.3	1.0	16.0	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	39	53.8	23.9	*	53.8	27.3	*	53.8	30.7	*
Congestive Heart Failure	64	17.2	15.6	5.1	21.9	24.3	5.9	23.4	31.2	7.6
Pneumonia/Influenza	40	20.0	16.9	*	20.0	22.8	*	25.0	27.4	*
Chronic Obstructive Pulmonary Disease	34	17.6	9.7	*	17.6	16.2	*	20.6	21.6	*
Transient Cerebral Ischemia	23	0.0	2.0	*	4.3	4.2	*	13.0	6.7	*
Stroke	60	20.0	19.6	5.2	25.0	26.1	5.8	30.0	30.5	6.2
Hip Fracture	49	10.2	7.2	*	14.3	12.6	*	18.4	16.0	*
Sepsis	10	20.0	22.2	*	30.0	29.2	*	30.0	34.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	22.2	5.0	*	22.2	9.5	*	22.2	14.5	*
Carotid Endarterectomy	6	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	37	8.1	4.0	*	10.8	7.4	*	10.8	9.7	*
Open Reduction of Hip Fracture	21	9.5	7.1	*	14.3	12.8	*	23.8	16.4	*
Prostatectomy	38	0.0	0.9	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	27	3.7	2.9	*	7.4	5.0	*	7.4	6.2	*
Hysterectomy	11	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 170
Occupancy Rate 63
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 60
Percent of Physicians Board Certified Specialists 70
Medical Residents/Interns 0
Registered Nurses 105
Licensed Practical Nurses 61

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MASSILLON COMMUNITY HOSPITAL

Medicare Provider Number: 360100

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,428	9.4	9.2	1.0	13.1	13.7	1.1	17.6	17.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	48	31.2	26.7	*	35.4	30.4	*	39.6	34.1	*
Congestive Heart Failure	77	10.4	14.1	5.0	19.5	21.5	5.4	24.7	27.8	8.1
Pneumonia/Influenza	43	23.3	21.0	*	34.9	29.3	*	37.2	33.5	*
Chronic Obstructive Pulmonary Disease	21	4.8	11.7	*	4.8	19.7	*	23.8	25.7	*
Transient Cerebral Ischemia	24	0.0	2.4	*	0.0	5.2	*	16.7	8.2	*
Stroke	39	25.6	20.4	*	33.3	26.9	*	33.3	31.3	*
Hip Fracture	41	7.3	7.7	*	7.3	13.4	*	9.8	16.9	*
Sepsis	12	50.0	21.4	*	58.3	28.4	*	66.7	33.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	7.4	*	12.5	11.2	*	25.0	14.5	*
Carotid Endarterectomy	13	0.0	1.6	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	40	2.5	2.5	*	2.5	4.7	*	5.0	6.3	*
Open Reduction of Hip Fracture	22	9.1	7.8	*	9.1	14.1	*	9.1	17.9	*
Prostatectomy	30	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	32	3.1	2.6	*	3.1	4.8	*	3.1	6.4	*
Hysterectomy	7	0.0	0.5	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,467	9.3	8.9	0.8	13.4	13.4	1.0	16.4	16.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	51	43.1	29.9	10.8	45.1	33.3	11.6	51.0	36.8	12.1
Congestive Heart Failure	55	18.2	16.3	10.1	29.1	24.4	8.9	32.7	31.1	6.6
Pneumonia/Influenza	53	13.2	20.0	7.2	26.4	26.5	6.6	30.2	31.5	6.5
Chronic Obstructive Pulmonary Disease	29	13.8	13.4	*	24.1	22.7	*	27.6	29.5	*
Transient Cerebral Ischemia	37	0.0	2.3	*	2.7	4.9	*	2.7	7.5	*
Stroke	72	27.8	24.2	6.0	31.9	31.3	5.5	34.7	35.9	6.0
Hip Fracture	44	4.5	6.7	*	6.8	12.2	*	13.6	15.9	*
Sepsis	7	0.0	24.5	*	28.6	32.4	*	28.6	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.5	*	20.0	8.6	*	30.0	12.2	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	33	3.0	2.6	*	3.0	5.0	*	9.1	6.7	*
Open Reduction of Hip Fracture	23	0.0	6.1	*	0.0	11.7	*	4.3	15.3	*
Prostatectomy	37	0.0	0.6	*	2.7	1.5	*	2.7	2.7	*
Cholecystectomy	32	0.0	3.1	*	0.0	5.8	*	3.1	7.6	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

197.1

Massillon Community Hospital

Provider # 360100

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert,

Massillon Community Hospital maintains the highest standards of quality medical care possible. These standards are achieved through the Hospital's dedication of manpower and resources to establish, monitor, and respond to medical care quality indicators. Indication of this results from the JCAHO survey process which occurred in September of 1990. Massillon Community Hospital received a three-year accreditation - the highest rating possible. In addition, no significant problems have surfaced from the Peer Review Organization (PRO) quality reviews during the 1989 reporting period of which this mortality study is based.

The Hospital does endorse efforts to provide the public and interest parties with information regarding the quality of care it provides. However, publication of mortality rates does not provide a meaningful descriptor by which to judge the quality of care individual hospitals provide. Any study comparing mortality rates must take into account the many variables affecting outcome. The mortality study makes an attempt to do this, but in our opinion, fails for two reasons.

1. It is based upon the ICD-9-CM coding. Despite many attempts to improve the accuracy and validity of this coding, it frequently is not able to reflect the true clinical picture.

2. There is no objective evaluation of the severity of illness. Patients can have identical diagnoses and yet have completely different clinical pictures. There are now a number of methods available to measure severity of illness, but these are not used in the particular study.

Any conclusions based upon small numbers of patients will usually not be statistically valid. HCFA makes this quite clear in the letter accompanying their report, but the Hospital is concerned that this fact will be lost to the

Provider # 360100

public when these figures are published. The mathematical method used to test for such validity is standard deviation (SD). Review of the report shows two things:

1. Most categories have too few cases to even permit the determination of SD.

2. In all categories where it was possible to calculate the SD, Massillon Community Hospital is reported to be within one SD of expected levels with one exception. This exception is Mortality within 30 days after discharge for all cases. This is meaningless because Mortality at 90 days and 180 days is within one SD of the expected rate and because there is no adjustment for severity of illness.

The precision and interpretability of HCFA estimates are questionable when there are no deaths or less than 50 cases in a particular category analyzed. Acute myocardial infarction with 39 cases, chronic obstructive pulmonary disease with 34 cases, and initial pacemaker insertions with a total of nine cases were the most out of line and greatly increased from 1988; however, these stats are not valid due to the small number of cases in these categories. The minimum number for any validity is 50. None of these categories fall into this range.

Our ultimate concern is that the information provided to the public continues to be difficult to understand. The information gives a misleading picture of quality of care in hospitals, and the statistics do not adequately compare similar situations with similar variables.

Massillon Community hospital urges the Health Care Financing Administration to request input from health care providers to develop accurate and meaningful indicators of quality medical care.

Jointly we may achieve the desired goal of providing individuals and various groups with useful information to make informed choices and decisions.

Sincerely,

Mervin F. Strine
President and CEO

MFS/jar

MCCULLOUGH-HYDE MEMORIAL HOSPITAL

110 N Poplar St
Oxford, OH 45056

Medicare Provider Number: 360046

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	556	10.8	7.9	2.0	14.7	12.1	2.0	18.0	15.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	18	55.6	22.0	*	55.6	25.1	*	61.1	28.3	*
Congestive Heart Failure	38	15.8	12.8	*	18.4	20.3	*	26.3	26.6	*
Pneumonia/Influenza	29	17.2	17.4	*	20.7	24.2	*	20.7	29.3	*
Chronic Obstructive Pulmonary Disease	19	5.3	7.3	*	15.8	12.7	*	26.3	17.3	*
Transient Cerebral Ischemia	16	0.0	1.6	*	12.5	3.5	*	12.5	5.6	*
Stroke	24	25.0	19.6	*	29.2	26.4	*	29.2	31.0	*
Hip Fracture	12	0.0	5.0	*	0.0	9.3	*	8.3	12.6	*
Sepsis	3	33.3	22.9	*	33.3	26.3	*	33.3	30.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.5	*	0.0	6.9	*	0.0	9.6	*
Open Reduction of Hip Fracture	5	0.0	5.0	*	0.0	8.9	*	0.0	11.6	*
Prostatectomy	8	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	14	7.1	2.1	*	14.3	3.5	*	21.4	4.5	*
Hysterectomy	4	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 60
Occupancy Rate 57
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 47
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 0
Registered Nurses 85
Licensed Practical Nurses 15

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MCCULLOUGH-HYDE MEMORIAL HOSPITAL

Medicare Provider Number: 360046

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	545	9.5	8.6	2.1	15.8	12.9	2.2	17.8	16.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	16	50.0	28.2	*	50.0	31.6	*	50.0	35.5	*
Congestive Heart Failure	32	12.5	16.4	*	21.9	25.6	*	28.1	33.0	*
Pneumonia/Influenza	48	16.7	19.1	*	27.1	25.7	*	29.2	30.8	*
Chronic Obstructive Pulmonary Disease	8	0.0	8.0	*	12.5	13.9	*	12.5	18.9	*
Transient Cerebral Ischemia	12	0.0	1.8	*	8.3	4.1	*	8.3	6.6	*
Stroke	21	33.3	26.2	*	33.3	33.2	*	38.1	38.2	*
Hip Fracture	18	11.1	6.2	*	16.7	11.7	*	16.7	15.3	*
Sepsis	6	66.7	26.6	*	66.7	34.1	*	66.7	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	6.3	*	42.9	13.3	*	42.9	18.9	*
Open Reduction of Hip Fracture	7	0.0	6.8	*	0.0	13.4	*	0.0	18.1	*
Prostatectomy	10	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*
Cholecystectomy	14	7.1	2.0	*	7.1	3.3	*	14.3	4.1	*
Hysterectomy	5	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	549	9.1	8.3	1.4	12.9	12.7	1.4	16.9	16.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	25.4	*	45.5	29.6	*	54.5	33.2	*
Congestive Heart Failure	27	11.1	16.1	*	14.8	25.5	*	22.2	32.9	*
Pneumonia/Influenza	28	7.1	14.9	*	7.1	20.6	*	17.9	25.3	*
Chronic Obstructive Pulmonary Disease	11	18.2	6.7	*	18.2	11.3	*	18.2	15.8	*
Transient Cerebral Ischemia	13	0.0	2.4	*	7.7	5.4	*	7.7	8.7	*
Stroke	18	27.8	20.3	*	38.9	27.4	*	38.9	31.9	*
Hip Fracture	21	0.0	4.8	*	14.3	9.4	*	14.3	12.6	*
Sepsis	6	33.3	21.4	*	33.3	27.8	*	33.3	33.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	4.1	*	9.1	8.2	*	9.1	11.3	*
Open Reduction of Hip Fracture	8	0.0	5.0	*	25.0	10.0	*	25.0	13.5	*
Prostatectomy	8	0.0	0.8	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	9	0.0	3.6	*	11.1	6.3	*	11.1	7.7	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

199.1

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THE McCULLOUGH-HYDE MEMORIAL HOSPITAL, INC.
OXFORD, OHIO 45056 • PHONE (513) 523-2111

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Thank you for the opportunity to comment on the upcoming publication of the Medicare Hospital Mortality Information.

The attachments detail the errors found upon review. A total of 17 patients died more than 180 days following discharge and should not have been included. In addition, a number of errors were found in the mortality rates by condition categories at the 30, 90, and 180 day points. Those errors discovered are outlined in the attachments also. Finally, there was an error in one of the procedure categories also.

While we did not review every detail of every case, the errors discovered do raise doubts about the reliability and validity of the information presented, and in a small hospital such as ours where no categories were large enough to generate statistically significant data, all kinds of erroneous conclusions can be drawn from your report. It would be preferable if no numbers would be used for those categories where there is no statistical significance because the public will make judgements, positive or negative, for which there is no basis whatsoever.

The final concern is that all of the information is generated from patient bills, not medical records, which raises more accuracy concerns. An intensity of service/severity index approach would be more appropriate considering the "quality" assumptions that are generated by the data.

Sincerely,

Richard A. Daniels
Administrator

RAD:sam

Enclosure

MEDICAL CENTER HOSPITAL

272 Hospital Rd
Chillicothe, OH 45601

Medicare Provider Number: 360159

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,551	9.5	10.4	1.1	14.3	15.1	1.2	17.8	18.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	72	29.2	28.5	5.9	31.9	31.8	5.5	37.5	35.4	5.9
Congestive Heart Failure	98	14.3	15.7	3.9	19.4	24.1	5.6	25.5	31.0	6.0
Pneumonia/Influenza	89	23.6	20.7	5.1	29.2	27.7	5.7	33.7	33.1	5.4
Chronic Obstructive Pulmonary Disease	33	6.1	7.2	*	12.1	13.5	*	18.2	18.8	*
Transient Cerebral Ischemia	17	5.9	1.7	*	5.9	3.7	*	5.9	5.8	*
Stroke	65	13.8	20.8	8.3	21.5	26.4	9.4	23.1	30.6	10.1
Hip Fracture	51	3.9	6.7	6.0	7.8	12.0	8.2	11.8	15.5	7.9
Sepsis	20	15.0	30.0	*	25.0	37.5	*	30.0	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	7.5	*	11.1	11.6	*	11.1	15.5	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	3.3	*	0.0	5.1	*
Hip Replacement/Reconstruction	30	6.7	3.7	*	13.3	7.2	*	20.0	9.7	*
Open Reduction of Hip Fracture	28	0.0	6.7	*	0.0	12.2	*	0.0	15.8	*
Prostatectomy	38	0.0	0.7	*	0.0	1.6	*	0.0	2.9	*
Cholecystectomy	42	0.0	1.7	*	0.0	2.8	*	0.0	3.6	*
Hysterectomy	3	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 172
Occupancy Rate 62
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 64
Percent of Physicians Board Certified Specialists 55
Medical Residents/Interns 0
Registered Nurses 157
Licensed Practical Nurses 29

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MEDICAL CENTER HOSPITAL

Medicare Provider Number: 360159

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,582	9.2	10.1	0.9	15.0	14.8	1.2	18.5	18.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	52	15.4	30.5	9.4	26.9	33.6	10.5	28.8	37.3	8.2
Congestive Heart Failure	118	15.3	17.1	4.2	26.3	25.8	4.9	33.9	32.7	4.4
Pneumonia/Influenza	86	18.6	18.5	4.6	27.9	24.4	6.0	32.6	29.1	6.3
Chronic Obstructive Pulmonary Disease	34	2.9	8.1	*	11.8	13.7	*	14.7	18.7	*
Transient Cerebral Ischemia	25	4.0	2.7	*	8.0	6.0	*	8.0	9.6	*
Stroke	65	16.9	22.4	10.4	21.5	28.8	9.6	29.2	33.5	8.1
Hip Fracture	41	12.2	7.8	*	14.6	13.9	*	19.5	17.6	*
Sepsis	18	44.4	38.2	*	55.6	46.9	*	61.1	54.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	2.7	*	40.0	5.7	*	40.0	8.5	*
Carotid Endarterectomy	9	0.0	1.7	*	11.1	3.3	*	11.1	4.9	*
Hip Replacement/Reconstruction	16	12.5	4.8	*	12.5	9.3	*	18.8	12.3	*
Open Reduction of Hip Fracture	28	10.7	6.9	*	10.7	12.7	*	14.3	16.3	*
Prostatectomy	45	0.0	0.6	*	2.2	1.4	*	4.4	2.3	*
Cholecystectomy	34	8.8	3.2	*	8.8	5.3	*	8.8	6.5	*
Hysterectomy	11	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,632	11.1	10.7	1.2	16.1	15.5	1.2	19.5	19.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	87	33.3	32.8	5.1	34.5	36.1	5.3	36.8	39.7	6.4
Congestive Heart Failure	107	12.1	17.0	4.4	18.7	25.1	5.7	26.2	32.0	5.8
Pneumonia/Influenza	71	18.3	21.1	7.7	23.9	28.0	8.0	29.6	33.2	7.7
Chronic Obstructive Pulmonary Disease	23	4.3	8.0	*	8.7	15.1	*	13.0	21.5	*
Transient Cerebral Ischemia	35	8.6	2.1	*	8.6	4.4	*	14.3	6.9	*
Stroke	55	30.9	24.1	10.3	38.2	30.5	10.4	38.2	35.3	11.2
Hip Fracture	38	10.5	9.5	*	15.8	16.2	*	23.7	20.5	*
Sepsis	14	21.4	34.2	*	28.6	40.9	*	42.9	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.5	*	0.0	7.7	*	0.0	11.8	*
Carotid Endarterectomy	13	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	13	0.0	4.6	*	0.0	8.4	*	0.0	11.2	*
Open Reduction of Hip Fracture	23	8.7	8.2	*	13.0	14.8	*	26.1	19.0	*
Prostatectomy	59	1.7	0.8	1.4	1.7	1.8	1.9	3.4	3.0	2.3
Cholecystectomy	38	5.3	2.4	*	10.5	4.1	*	10.5	5.2	*
Hysterectomy	5	0.0	1.1	*	0.0	2.4	*	0.0	4.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MEDICAL CENTER HOSPITAL INC

1050 Delaware Ave
Marion, OH 43302

Medicare Provider Number: 360028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	809	7.5	8.5	1.4	11.0	12.8	1.9	13.7	16.3	2.1
CONDITIONS:										
Acute Myocardial Infarction	18	22.2	23.3	*	22.2	26.6	*	22.2	29.8	*
Congestive Heart Failure	37	16.2	14.0	*	21.6	21.4	*	24.3	27.6	*
Pneumonia/Influenza	37	21.6	17.7	*	24.3	23.7	*	29.7	28.4	*
Chronic Obstructive Pulmonary Disease	9	0.0	9.0	*	0.0	15.4	*	11.1	20.3	*
Transient Cerebral Ischemia	14	0.0	2.0	*	7.1	4.6	*	14.3	7.4	*
Stroke	25	12.0	21.9	*	12.0	27.4	*	16.0	31.6	*
Hip Fracture	23	13.0	8.9	*	17.4	15.4	*	17.4	19.5	*
Sepsis	1	0.0	8.4	*	0.0	10.8	*	0.0	13.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	1.1	*	0.0	2.6	*	0.0	4.1	*
Carotid Endarterectomy	10	10.0	1.8	*	10.0	3.1	*	10.0	4.7	*
Hip Replacement/Reconstruction	23	4.3	4.2	*	4.3	7.3	*	4.3	9.4	*
Open Reduction of Hip Fracture	12	16.7	9.1	*	25.0	16.3	*	25.0	21.0	*
Prostatectomy	35	0.0	1.5	*	0.0	3.5	*	0.0	5.7	*
Cholecystectomy	15	6.7	3.8	*	6.7	6.2	*	6.7	7.5	*
Hysterectomy	6	0.0	2.0	*	0.0	4.1	*	0.0	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 100
Occupancy Rate 56
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 41
Percent of Physicians Board Certified Specialists 49
Medical Residents/Interns 0
Registered Nurses 98
Licensed Practical Nurses 14

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MEDICAL CENTER HOSPITAL INC

Medicare Provider Number: 360028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	768	7.2	9.1	1.4	10.9	13.7	1.8	13.9	17.3	1.9
CONDITIONS:										
Acute Myocardial Infarction	10	20.0	23.5	*	30.0	26.5	*	40.0	29.8	*
Congestive Heart Failure	29	10.3	14.9	*	20.7	22.6	*	20.7	28.9	*
Pneumonia/Influenza	45	17.8	19.0	*	17.8	25.8	*	22.2	31.0	*
Chronic Obstructive Pulmonary Disease	9	11.1	9.8	*	22.2	18.6	*	22.2	27.1	*
Transient Cerebral Ischemia	8	0.0	2.0	*	0.0	4.4	*	0.0	6.9	*
Stroke	20	10.0	23.4	*	10.0	28.6	*	20.0	33.0	*
Hip Fracture	18	5.6	9.0	*	5.6	15.8	*	11.1	20.0	*
Sepsis	2	0.0	16.3	*	0.0	21.8	*	50.0	27.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	4.4	*	0.0	8.3	*	0.0	11.4	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	20	5.0	3.8	*	5.0	7.0	*	10.0	9.3	*
Open Reduction of Hip Fracture	10	0.0	8.1	*	0.0	14.5	*	0.0	18.4	*
Prostatectomy	36	0.0	1.3	*	0.0	3.1	*	2.8	5.0	*
Cholecystectomy	14	0.0	2.5	*	0.0	4.5	*	0.0	5.8	*
Hysterectomy	7	0.0	1.2	*	0.0	2.3	*	0.0	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	790	9.4	9.0	1.6	13.0	13.8	1.9	16.5	17.5	2.1
CONDITIONS:										
Acute Myocardial Infarction	15	26.7	38.5	*	26.7	42.8	*	33.3	47.1	*
Congestive Heart Failure	31	16.1	17.9	*	19.4	27.0	*	25.8	34.2	*
Pneumonia/Influenza	35	14.3	17.1	*	17.1	22.9	*	22.9	27.7	*
Chronic Obstructive Pulmonary Disease	18	5.6	13.1	*	5.6	21.7	*	16.7	27.4	*
Transient Cerebral Ischemia	12	0.0	2.9	*	8.3	6.0	*	8.3	9.1	*
Stroke	24	25.0	19.5	*	25.0	24.8	*	37.5	29.2	*
Hip Fracture	13	23.1	9.0	*	30.8	15.9	*	30.8	20.2	*
Sepsis	7	14.3	26.4	*	28.6	34.5	*	28.6	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.4	*	0.0	4.6	*	0.0	6.8	*
Carotid Endarterectomy	7	0.0	2.5	*	0.0	5.3	*	0.0	7.8	*
Hip Replacement/Reconstruction	19	10.5	3.2	*	15.8	6.1	*	15.8	8.2	*
Open Reduction of Hip Fracture	5	20.0	9.1	*	20.0	16.6	*	20.0	21.1	*
Prostatectomy	37	2.7	1.6	*	2.7	3.9	*	2.7	6.4	*
Cholecystectomy	5	0.0	1.7	*	0.0	2.8	*	0.0	3.6	*
Hysterectomy	2	0.0	0.7	*	0.0	1.2	*	0.0	1.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MEDICAL COLLEGE OF OHIO AT TOLEDO

3000 Arlington Ave
Toledo, OH 43699

Medicare Provider Number: 360048

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,217	9.4	10.0	1.0	16.0	15.3	1.3	20.6	19.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	33	39.4	28.0	*	45.5	31.3	*	51.5	34.7	*
Congestive Heart Failure	47	19.1	13.4	*	21.3	19.8	*	27.7	25.8	*
Pneumonia/Influenza	32	12.5	13.7	*	18.8	18.7	*	18.8	22.6	*
Chronic Obstructive Pulmonary Disease	23	8.7	10.8	*	17.4	18.1	*	21.7	23.8	*
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.4	*	0.0	6.9	*
Stroke	29	24.1	30.3	*	44.8	36.7	*	48.3	41.2	*
Hip Fracture	33	6.1	7.1	*	6.1	12.8	*	9.1	16.8	*
Sepsis	5	0.0	31.6	*	20.0	45.6	*	20.0	53.1	*
PROCEDURES:										
Angioplasty	7	0.0	2.8	*	0.0	5.0	*	0.0	6.9	*
Coronary Artery Bypass Graft	12	0.0	5.6	*	8.3	7.5	*	8.3	8.7	*
Initial Pacemaker Insertion	3	0.0	2.8	*	0.0	5.3	*	0.0	7.6	*
Carotid Endarterectomy	9	0.0	1.1	*	0.0	2.0	*	11.1	2.9	*
Hip Replacement/Reconstruction	21	4.8	4.0	*	4.8	7.7	*	14.3	10.4	*
Open Reduction of Hip Fracture	14	0.0	6.5	*	0.0	12.1	*	0.0	16.0	*
Prostatectomy	12	0.0	0.7	*	0.0	1.6	*	8.3	2.6	*
Cholecystectomy	14	0.0	7.3	*	7.1	13.8	*	21.4	18.6	*
Hysterectomy	3	0.0	0.9	*	0.0	1.8	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	274
Occupancy Rate	79
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	251
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	224
Registered Nurses	382
Licensed Practical Nurses	29

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MEDICAL COLLEGE OF OHIO AT TOLEDO

Medicare Provider Number: 360048

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,218	9.2	10.3	1.1	14.4	15.9	1.2	19.0	20.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	41	14.6	29.7	*	22.0	33.0	*	29.3	36.5	*
Congestive Heart Failure	51	9.8	16.9	7.7	15.7	24.7	10.2	21.6	31.6	12.3
Pneumonia/Influenza	26	15.4	13.7	*	15.4	18.8	*	26.9	22.9	*
Chronic Obstructive Pulmonary Disease	12	8.3	10.8	*	16.7	19.7	*	25.0	27.0	*
Transient Cerebral Ischemia	15	0.0	2.6	*	6.7	5.5	*	6.7	8.5	*
Stroke	29	34.5	23.8	*	34.5	29.9	*	41.4	34.5	*
Hip Fracture	20	5.0	6.4	*	25.0	11.7	*	25.0	15.1	*
Sepsis	6	50.0	21.8	*	50.0	31.4	*	50.0	38.1	*
PROCEDURES:										
Angioplasty	5	0.0	4.7	*	0.0	5.5	*	0.0	6.5	*
Coronary Artery Bypass Graft	15	6.7	6.8	*	13.3	9.1	*	13.3	10.6	*
Initial Pacemaker Insertion	5	0.0	7.8	*	0.0	10.6	*	20.0	13.7	*
Carotid Endarterectomy	5	0.0	1.8	*	0.0	3.4	*	0.0	4.8	*
Hip Replacement/Reconstruction	18	5.6	4.3	*	22.2	8.4	*	22.2	11.1	*
Open Reduction of Hip Fracture	4	0.0	5.1	*	25.0	9.1	*	25.0	11.6	*
Prostatectomy	16	6.3	1.6	*	6.3	2.8	*	6.3	4.0	*
Cholecystectomy	10	0.0	5.4	*	0.0	10.1	*	0.0	13.2	*
Hysterectomy	3	0.0	3.6	*	0.0	8.2	*	0.0	11.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,200	8.2	10.6	1.1	14.4	16.2	1.3	18.8	20.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	50	20.0	29.6	*	22.0	32.6	*	22.0	36.0	*
Congestive Heart Failure	50	8.0	19.1	*	22.0	27.7	*	36.0	34.7	*
Pneumonia/Influenza	23	13.0	19.3	*	17.4	26.1	*	26.1	30.9	*
Chronic Obstructive Pulmonary Disease	13	7.7	12.1	*	7.7	20.5	*	7.7	27.3	*
Transient Cerebral Ischemia	14	0.0	2.1	*	7.1	4.3	*	14.3	6.5	*
Stroke	27	18.5	23.8	*	33.3	30.8	*	33.3	35.7	*
Hip Fracture	17	5.9	8.5	*	5.9	15.2	*	5.9	19.4	*
Sepsis	8	50.0	30.9	*	62.5	41.2	*	62.5	47.0	*
PROCEDURES:										
Angioplasty	8	0.0	5.4	*	0.0	6.5	*	0.0	7.8	*
Coronary Artery Bypass Graft	24	12.5	8.9	*	12.5	11.5	*	16.7	12.7	*
Initial Pacemaker Insertion	4	0.0	6.2	*	0.0	10.2	*	25.0	13.1	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction	13	7.7	4.6	*	15.4	8.9	*	15.4	12.0	*
Open Reduction of Hip Fracture	2	0.0	6.0	*	0.0	11.0	*	0.0	13.9	*
Prostatectomy	21	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	19	0.0	8.9	*	10.5	17.5	*	26.3	23.4	*
Hysterectomy	6	0.0	0.9	*	0.0	2.0	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Medical College of Ohio
205.1

Office of the Vice President for Clinical Affairs, and Medical Director, Medical College Hospitals

419-381-4172

3000 Arlington Avenue
Mailing Address: P.O. Box 10008
Toledo, Ohio 43699-0008

419-381-3421

Frank S. McCullough, M.D.

Medical College Hospitals
Medicare Provider Number 36-0048

January 14, 1991

Gail R. Wilensky, Ph.D.
Administrator
Health Care Financing and Quality Bureau
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Doctor Wilensky:

This letter is written in response to the public release of Fiscal Year 1989 Mortality data. As a background to our response, I would like to provide you with some information about our hospitals. The Medical College Hospitals is a 319 bed tertiary care medical school hospital. We provide inpatient and outpatient primary care, as well as many highly-specialized services such as heart and kidney transplantation, pediatric and adult cardiac surgery, intraoperative radiation therapy and comprehensive rehabilitation services. The Hospital serves as a major referral center for the areas of northwest Ohio, southeast Michigan and northeast Indiana. Approximately 50% of our patients are referred or transferred by physicians outside of Toledo.

The Hospitals' medical staff is comprised of over 265 active physicians. In addition, the hospital employs over 240 resident physicians in training and many other health care practitioners. The medical staff, as well as our board of trustees, employees and administration maintain a strong commitment to the provision of high quality patient care, education and research.

With this as a background, I would now like to focus on the **mch** response to the mortality data which are scheduled for public release later this year. Even though the overall **mch** mortality rate falls within the HCFA-determined range for the 30 day post-admission period, I do not believe that mortality rates along can, or should, be used to judge the quality of care provided in any hospital. Mortality rates, while important, are only one facet of a quality management program. In our hospital each mortality is analyzed by a physician peer group. All factors which may have contributed to the fatal outcome are carefully weighed and a determination is made regarding the quality of care provided. The lessons learned from this process are applied to future cases, and the result is a continuously improving level of care.

Gail R. Wilensky, Ph.D.
Health Care Financing Administration
January 14, 1991

Medical College Hospitals
Medicare Provider Number: 36-0048

The data provided by the HCFA mortality review are seriously flawed by deficiencies inherent in the methodology used. These deficiencies include the following:

- The conditions group does not take into account severity of illness, co-morbid conditions, or disease interactions.

- The number of mortalities at **mch** was so low that appropriate methods of statistical analysis could not be employed. Therefore, the statistical significance of these mortality rates cannot be determined.

- The extension of the study period to include mortalities three and six months after hospital admission was a serious methodologic error, and further dilutes the already limited value of these data for those interested in health care quality improvement. This is particularly true for a center such as **mch** where many discharged patients are returned to the care of referring physicians in other communities.

In closing, I wish to emphasize that we at **mch** are strongly committed to delivering high quality health care. We believe, as you do, that critical analysis of all aspects of care is an essential component of that commitment. It is regrettable that the methodologic deficiencies associated with the generation of the HCFA mortality data renders them useless for evaluating the quality of health care provided in our nation's hospitals.

Sincerely,

Frank S. McCullough, M.D.
Vice President for Clinical Affairs
and Medical Director
Medical College Hospitals

tmz

cc: Ohio Hospital Association

MEDINA COMMUNITY HOSPITAL

990 E Washington St
Medina, OH 44256

Medicare Provider Number: 360091

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,010	9.4	11.1	1.4	14.9	16.1	1.6	18.0	20.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	47	25.5	32.7	*	27.7	35.5	*	27.7	38.7	*
Congestive Heart Failure	74	10.8	17.0	6.7	20.3	24.5	6.4	25.7	31.4	6.6
Pneumonia/Influenza	31	22.6	15.6	*	25.8	21.2	*	25.8	25.5	*
Chronic Obstructive Pulmonary Disease	30	10.0	10.1	*	20.0	16.0	*	20.0	21.0	*
Transient Cerebral Ischemia	12	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	42	14.3	21.8	*	26.2	28.2	*	28.6	32.6	*
Hip Fracture	37	8.1	8.2	*	13.5	14.3	*	13.5	18.2	*
Sepsis	13	15.4	23.2	*	38.5	29.8	*	46.2	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	7.1	*	22.2	10.9	*	22.2	13.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	4.5	5.3	*	18.2	9.5	*	18.2	12.2	*
Open Reduction of Hip Fracture	16	12.5	8.4	*	12.5	15.2	*	12.5	19.5	*
Prostatectomy	18	0.0	1.1	*	0.0	2.8	*	0.0	4.6	*
Cholecystectomy	25	0.0	2.7	*	4.0	4.6	*	4.0	5.8	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	118
Occupancy Rate	53
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	79
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	0
Registered Nurses	120
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEDINA COMMUNITY HOSPITAL

Medicare Provider Number: 360091

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,017	11.1	11.6	1.1	16.4	16.8	1.7	19.3	20.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	39	25.6	33.2	*	30.8	36.7	*	33.3	40.3	*
Congestive Heart Failure	75	21.3	17.8	6.5	26.7	25.5	6.2	36.0	32.4	6.3
Pneumonia/Influenza	27	22.2	18.9	*	40.7	25.3	*	40.7	30.3	*
Chronic Obstructive Pulmonary Disease	27	14.8	9.9	*	18.5	17.6	*	18.5	23.9	*
Transient Cerebral Ischemia	28	3.6	1.9	*	3.6	4.1	*	10.7	6.5	*
Stroke	44	20.5	20.7	*	29.5	27.2	*	29.5	31.9	*
Hip Fracture	32	9.4	7.4	*	15.6	13.5	*	15.6	17.2	*
Sepsis	26	42.3	31.6	*	50.0	39.1	*	57.7	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	5.1	*	0.0	10.5	*	0.0	15.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	24	4.2	4.2	*	8.3	8.1	*	8.3	10.6	*
Open Reduction of Hip Fracture	8	12.5	6.7	*	12.5	12.3	*	12.5	16.1	*
Prostatectomy	18	0.0	3.2	*	0.0	6.5	*	0.0	9.8	*
Cholecystectomy	23	4.3	5.4	*	4.3	8.6	*	4.3	10.3	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,039	10.9	11.2	1.2	15.3	16.2	1.4	18.6	20.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	58	31.0	32.7	6.7	34.5	35.8	7.5	36.2	39.4	7.9
Congestive Heart Failure	64	14.1	17.7	8.4	28.1	25.2	6.8	31.3	31.9	6.4
Pneumonia/Influenza	43	16.3	16.1	*	25.6	21.9	*	27.9	26.8	*
Chronic Obstructive Pulmonary Disease	29	3.4	14.7	*	10.3	22.9	*	17.2	28.9	*
Transient Cerebral Ischemia	24	0.0	2.1	*	0.0	4.5	*	0.0	7.1	*
Stroke	43	18.6	20.9	*	30.2	27.4	*	32.6	32.1	*
Hip Fracture	30	3.3	7.3	*	3.3	13.3	*	3.3	17.2	*
Sepsis	15	33.3	32.7	*	33.3	39.8	*	46.7	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	7.8	*	9.1	13.2	*	9.1	17.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	5.3	4.0	*	10.5	7.8	*	10.5	10.5	*
Open Reduction of Hip Fracture	2	0.0	11.2	*	0.0	20.7	*	0.0	26.4	*
Prostatectomy	37	2.7	1.0	*	5.4	2.5	*	5.4	4.3	*
Cholecystectomy	13	7.7	3.6	*	7.7	6.5	*	7.7	8.1	*
Hysterectomy	9	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MEMORIAL HOSPITAL

715 South Taft Avenue
Fremont, OH 43420

Medicare Provider Number: 360156

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,027	7.5	8.8	1.1	11.5	13.1	1.3	14.5	16.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	41	19.5	30.4	*	24.4	33.7	*	26.8	37.2	*
Congestive Heart Failure	64	12.5	15.5	5.2	21.9	24.2	5.8	28.1	31.2	7.0
Pneumonia/Influenza	82	9.8	15.6	5.4	13.4	21.4	7.0	17.1	25.8	8.1
Chronic Obstructive Pulmonary Disease	31	3.2	6.8	*	3.2	11.6	*	12.9	15.8	*
Transient Cerebral Ischemia	11	0.0	1.7	*	0.0	3.7	*	9.1	5.9	*
Stroke	46	13.0	18.3	*	19.6	24.3	*	21.7	28.5	*
Hip Fracture	29	0.0	5.9	*	3.4	10.5	*	6.9	13.6	*
Sepsis	20	20.0	25.0	*	30.0	32.4	*	30.0	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	2.6	*	12.5	5.4	*	12.5	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	1.9	*	0.0	3.7	*	6.7	5.2	*
Open Reduction of Hip Fracture	8	0.0	5.0	*	0.0	8.8	*	0.0	11.2	*
Prostatectomy	35	0.0	0.8	*	2.9	1.8	*	2.9	2.9	*
Cholecystectomy	21	14.3	3.8	*	14.3	6.8	*	14.3	8.7	*
Hysterectomy	9	11.1	1.6	*	22.2	3.5	*	22.2	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 132
Occupancy Rate 52
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 68
Percent of Physicians Board Certified Specialists 60
Medical Residents/Interns 0
Registered Nurses 121
Licensed Practical Nurses 42

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL

Medicare Provider Number: 360156

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,034	7.7	9.0	1.3	11.3	13.3	1.7	15.7	16.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	42	33.3	33.0	*	33.3	36.1	*	42.9	39.6	*
Congestive Heart Failure	61	11.5	16.2	5.7	18.0	24.6	6.7	34.4	31.4	6.2
Pneumonia/Influenza	53	18.9	15.5	7.5	30.2	21.0	9.1	30.2	25.4	9.5
Chronic Obstructive Pulmonary Disease	19	0.0	7.9	*	5.3	13.9	*	15.8	19.3	*
Transient Cerebral Ischemia	17	0.0	1.8	*	0.0	4.1	*	5.9	6.5	*
Stroke	33	21.2	22.3	*	24.2	28.1	*	30.3	32.7	*
Hip Fracture	39	5.1	7.5	*	7.7	13.6	*	17.9	17.5	*
Sepsis	16	6.3	25.0	*	18.8	32.2	*	18.8	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	10.6	*	0.0	14.8	*	0.0	18.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	0.0	3.0	*	6.3	6.2	*	6.3	8.6	*
Open Reduction of Hip Fracture	8	0.0	6.5	*	12.5	12.2	*	37.5	16.0	*
Prostatectomy	34	0.0	1.4	*	0.0	3.2	*	2.9	5.0	*
Cholecystectomy	20	5.0	1.4	*	5.0	2.6	*	10.0	3.5	*
Hysterectomy	7	0.0	0.5	*	0.0	1.3	*	0.0	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,036	9.9	9.5	1.0	13.6	13.7	1.1	16.6	17.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	65	38.5	30.7	13.0	41.5	33.6	12.0	43.1	37.1	10.4
Congestive Heart Failure	63	19.0	15.9	5.6	23.8	23.9	5.4	27.0	30.7	6.4
Pneumonia/Influenza	49	22.4	17.2	*	32.7	23.1	*	36.7	27.6	*
Chronic Obstructive Pulmonary Disease	24	4.2	7.5	*	4.2	13.1	*	12.5	17.9	*
Transient Cerebral Ischemia	14	0.0	2.5	*	0.0	5.7	*	0.0	9.0	*
Stroke	44	13.6	23.5	*	18.2	29.9	*	20.5	34.6	*
Hip Fracture	33	9.1	6.5	*	12.1	11.6	*	12.1	15.0	*
Sepsis	5	20.0	38.3	*	40.0	46.0	*	40.0	53.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	13.1	*	25.0	24.5	*	25.0	31.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	5.3	3.2	*	10.5	6.0	*	10.5	7.9	*
Open Reduction of Hip Fracture	9	11.1	5.7	*	11.1	10.6	*	11.1	13.8	*
Prostatectomy	28	0.0	1.2	*	0.0	2.7	*	0.0	4.5	*
Cholecystectomy	29	3.4	1.4	*	3.4	2.7	*	3.4	3.8	*
Hysterectomy	12	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MEMORIAL HOSPITAL OF GENEVA

870 West Main Street
Geneva, OH 44041

Medicare Provider Number: 360127

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	625	10.4	10.1	1.3	14.4	15.1	1.7	17.9	19.1	2.3
CONDITIONS:										
Acute Myocardial Infarction	12	25.0	31.8	*	25.0	34.8	*	25.0	38.6	*
Congestive Heart Failure	41	9.8	15.2	*	19.5	23.1	*	29.3	29.7	*
Pneumonia/Influenza	63	19.0	17.9	4.9	25.4	24.2	6.6	28.6	29.0	6.3
Chronic Obstructive Pulmonary Disease	16	6.3	9.0	*	6.3	16.0	*	12.5	21.8	*
Transient Cerebral Ischemia	29	6.9	2.0	*	10.3	4.4	*	13.8	7.0	*
Stroke	21	4.8	21.2	*	19.0	27.9	*	33.3	32.2	*
Hip Fracture	10	0.0	6.5	*	0.0	11.2	*	10.0	14.3	*
Sepsis	12	50.0	37.7	*	58.3	47.6	*	58.3	54.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.5	*	0.0	8.3	*	0.0	11.0	*
Open Reduction of Hip Fracture	7	0.0	6.4	*	0.0	11.3	*	14.3	14.4	*
Prostatectomy	6	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*
Cholecystectomy	8	0.0	2.7	*	0.0	5.0	*	0.0	6.6	*
Hysterectomy	6	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	55
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	30
Percent of Physicians Board Certified Specialists	33
Medical Residents/Interns	0
Registered Nurses	47
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL OF GENEVA

Medicare Provider Number: 360127

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	480	8.3	10.3	2.2	14.0	15.3	2.1	19.2	19.4	2.1
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	24.4	*	14.3	27.3	*	14.3	30.8	*
Congestive Heart Failure	22	9.1	16.5	*	18.2	24.8	*	18.2	31.5	*
Pneumonia/Influenza	47	17.0	18.6	*	31.9	25.4	*	48.9	30.3	*
Chronic Obstructive Pulmonary Disease	15	0.0	10.4	*	13.3	16.6	*	26.7	22.1	*
Transient Cerebral Ischemia	30	0.0	2.3	*	6.7	5.2	*	6.7	8.3	*
Stroke	19	26.3	21.7	*	31.6	28.0	*	36.8	32.8	*
Hip Fracture	8	12.5	5.8	*	12.5	10.3	*	25.0	13.2	*
Sepsis	10	20.0	29.3	*	20.0	37.9	*	20.0	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	13.4	*	0.0	16.8	*	0.0	19.8	*
Open Reduction of Hip Fracture	4	0.0	6.1	*	0.0	11.1	*	25.0	14.2	*
Prostatectomy	7	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	8	0.0	1.9	*	0.0	3.4	*	0.0	4.3	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	502	9.4	11.0	2.2	14.5	16.1	2.9	17.5	20.0	3.0
CONDITIONS:										
Acute Myocardial Infarction	16	18.8	29.2	*	18.8	33.1	*	18.8	36.6	*
Congestive Heart Failure	26	19.2	22.6	*	30.8	34.3	*	42.3	42.8	*
Pneumonia/Influenza	20	15.0	18.8	*	20.0	25.5	*	25.0	30.2	*
Chronic Obstructive Pulmonary Disease	13	7.7	10.1	*	15.4	18.0	*	38.5	24.6	*
Transient Cerebral Ischemia	20	0.0	2.2	*	0.0	4.8	*	0.0	7.7	*
Stroke	19	31.6	29.2	*	36.8	37.3	*	36.8	42.5	*
Hip Fracture	10	10.0	7.1	*	10.0	12.6	*	10.0	16.5	*
Sepsis	9	22.2	38.5	*	44.4	46.3	*	44.4	52.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.4	*	0.0	8.4	*	0.0	11.2	*
Open Reduction of Hip Fracture	4	0.0	7.2	*	0.0	12.9	*	0.0	16.7	*
Prostatectomy	14	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	8	0.0	1.5	*	0.0	2.5	*	0.0	3.3	*
Hysterectomy	1	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEMORIAL HOSPITAL OF UNION COUNTY

500 London Ave
Marysville, OH 43040

Medicare Provider Number: 360092

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	536	10.1	10.3	1.7	14.4	15.3	2.1	18.8	19.1	1.9
CONDITIONS:										
Acute Myocardial Infarction	19	36.8	30.9	*	42.1	33.9	*	47.4	37.2	*
Congestive Heart Failure	38	15.8	15.8	*	26.3	24.1	*	34.2	31.0	*
Pneumonia/Influenza	31	9.7	17.4	*	16.1	24.0	*	16.1	29.0	*
Chronic Obstructive Pulmonary Disease	10	0.0	5.3	*	10.0	9.9	*	10.0	14.2	*
Transient Cerebral Ischemia	19	5.3	2.1	*	10.5	4.6	*	10.5	7.5	*
Stroke	16	0.0	22.9	*	6.3	29.4	*	6.3	33.8	*
Hip Fracture	15	0.0	5.7	*	6.7	10.0	*	6.7	12.9	*
Sepsis	5	20.0	27.7	*	20.0	35.8	*	20.0	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.0	*	0.0	4.4	*	0.0	6.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	3.5	*	9.1	6.4	*	9.1	8.2	*
Open Reduction of Hip Fracture	7	0.0	4.8	*	0.0	8.9	*	0.0	11.7	*
Prostatectomy	20	0.0	0.9	*	5.0	2.1	*	15.0	3.4	*
Cholecystectomy	11	0.0	3.5	*	0.0	6.1	*	0.0	8.1	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	71
Occupancy Rate	42
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	69
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL OF UNION COUNTY

Medicare Provider Number: 360092

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	567	9.5	9.7	2.0	13.1	14.4	2.2	16.4	18.1	2.3
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	33.9	*	36.8	38.7	*	36.8	42.8	*
Congestive Heart Failure	41	9.8	16.2	*	22.0	24.6	*	26.8	31.5	*
Pneumonia/Influenza	32	15.6	16.1	*	18.8	22.6	*	21.9	27.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	7.4	*	0.0	13.5	*	0.0	19.3	*
Transient Cerebral Ischemia	17	0.0	2.7	*	0.0	6.0	*	5.9	9.4	*
Stroke	11	36.4	24.7	*	36.4	32.1	*	45.5	37.2	*
Hip Fracture	13	7.7	5.9	*	7.7	10.7	*	7.7	13.9	*
Sepsis	4	75.0	30.3	*	75.0	39.0	*	75.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	4.2	*	0.0	9.2	*	0.0	13.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	1.8	*	0.0	3.7	*	0.0	5.1	*
Open Reduction of Hip Fracture	6	16.7	5.8	*	16.7	10.9	*	16.7	14.3	*
Prostatectomy	17	0.0	1.1	*	0.0	2.7	*	0.0	4.4	*
Cholecystectomy	10	0.0	2.5	*	10.0	4.3	*	10.0	5.4	*
Hysterectomy	2	0.0	1.3	*	0.0	3.2	*	0.0	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	564	10.1	8.2	1.5	13.7	12.5	1.5	16.5	16.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	25	28.0	25.8	*	32.0	29.4	*	32.0	32.7	*
Congestive Heart Failure	30	26.7	13.5	*	26.7	20.1	*	36.7	26.1	*
Pneumonia/Influenza	27	11.1	12.9	*	18.5	18.2	*	25.9	22.3	*
Chronic Obstructive Pulmonary Disease	4	0.0	3.7	*	25.0	6.8	*	50.0	9.7	*
Transient Cerebral Ischemia	21	4.8	2.0	*	4.8	4.3	*	9.5	7.0	*
Stroke	17	29.4	23.5	*	52.9	30.2	*	58.8	34.4	*
Hip Fracture	13	30.8	8.8	*	30.8	16.4	*	38.5	21.3	*
Sepsis	5	60.0	22.3	*	60.0	28.0	*	80.0	33.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.3	*	20.0	6.6	*	20.0	9.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	33.3	5.0	*	50.0	9.7	*	66.7	13.1	*
Open Reduction of Hip Fracture	8	12.5	9.7	*	12.5	19.0	*	12.5	25.1	*
Prostatectomy	11	0.0	0.8	*	0.0	2.0	*	9.1	3.6	*
Cholecystectomy	13	0.0	3.9	*	0.0	7.1	*	0.0	9.3	*
Hysterectomy	2	0.0	0.3	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCER CTY JOINT TOWNSHIP COMM HOSPITAL

800 West Main Street
Coldwater, OH 45828

Medicare Provider Number: 360058

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	945	6.8	7.7	1.6	10.8	11.7	1.7	13.2	15.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	21	23.8	31.5	*	38.1	35.3	*	38.1	39.1	*
Congestive Heart Failure	56	14.3	16.1	5.2	23.2	25.1	6.0	25.0	32.4	9.4
Pneumonia/Influenza	55	10.9	16.8	9.5	16.4	22.8	9.5	20.0	27.5	11.5
Chronic Obstructive Pulmonary Disease	18	0.0	3.1	*	0.0	6.0	*	5.6	8.7	*
Transient Cerebral Ischemia	20	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke	29	10.3	19.9	*	20.7	25.7	*	24.1	30.0	*
Hip Fracture	19	5.3	7.1	*	5.3	12.8	*	10.5	16.6	*
Sepsis	7	14.3	25.1	*	14.3	31.8	*	28.6	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.1	*	0.0	5.1	*	0.0	9.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	3.7	*	7.1	7.0	*	14.3	9.4	*
Open Reduction of Hip Fracture	7	0.0	7.5	*	0.0	13.8	*	0.0	18.0	*
Prostatectomy	22	0.0	0.8	*	0.0	1.9	*	0.0	3.4	*
Cholecystectomy	20	0.0	2.1	*	0.0	3.4	*	5.0	4.5	*
Hysterectomy	3	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 93
Occupancy Rate 70
Ownership/Control ..... District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians 42
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns 0
Registered Nurses 123
Licensed Practical Nurses 15

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERCER CTY JOINT TOWNSHIP COMM HOSPITAL

Medicare Provider Number: 360058

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	898	6.9	8.3	1.0	10.8	12.5	1.3	12.2	15.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	23	43.5	29.8	*	43.5	33.3	*	47.8	36.8	*
Congestive Heart Failure	40	17.5	16.9	*	22.5	25.3	*	25.0	32.2	*
Pneumonia/Influenza	41	9.8	14.2	*	17.1	19.3	*	17.1	23.5	*
Chronic Obstructive Pulmonary Disease	12	0.0	4.9	*	0.0	9.2	*	0.0	13.2	*
Transient Cerebral Ischemia	21	0.0	2.0	*	0.0	4.5	*	4.8	7.1	*
Stroke	29	10.3	20.6	*	17.2	27.2	*	17.2	31.9	*
Hip Fracture	14	7.1	6.9	*	21.4	12.8	*	21.4	16.6	*
Sepsis	14	14.3	19.7	*	21.4	26.6	*	21.4	32.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.8	*	50.0	7.2	*	50.0	10.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	7.7	2.7	*	15.4	5.3	*	15.4	7.1	*
Open Reduction of Hip Fracture	7	0.0	5.5	*	14.3	10.4	*	14.3	13.7	*
Prostatectomy	33	0.0	0.8	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	23	0.0	1.5	*	13.0	2.8	*	13.0	3.8	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	842	8.1	8.7	1.4	12.2	13.2	1.2	14.8	16.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	24	37.5	32.2	*	37.5	35.9	*	41.7	39.7	*
Congestive Heart Failure	55	14.5	16.1	5.2	20.0	24.8	7.4	25.5	32.1	8.1
Pneumonia/Influenza	49	14.3	16.1	*	22.4	21.7	*	24.5	26.3	*
Chronic Obstructive Pulmonary Disease	13	0.0	5.9	*	7.7	11.7	*	15.4	16.8	*
Transient Cerebral Ischemia	10	0.0	3.1	*	10.0	7.2	*	10.0	11.5	*
Stroke	34	26.5	21.6	*	29.4	28.5	*	29.4	33.6	*
Hip Fracture	18	5.6	5.9	*	11.1	10.9	*	16.7	14.6	*
Sepsis	7	0.0	31.0	*	14.3	44.1	*	28.6	51.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	2.8	*	33.3	6.0	*	33.3	9.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	2.6	*	8.3	4.9	*	8.3	6.6	*
Open Reduction of Hip Fracture	10	10.0	5.7	*	10.0	11.3	*	20.0	15.5	*
Prostatectomy	32	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	32	0.0	3.9	*	9.4	6.5	*	9.4	8.2	*
Hysterectomy	6	0.0	1.3	*	16.7	2.8	*	16.7	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL

485 W Market St
Tiffin, OH 44883

Medicare Provider Number: 360089

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	898	7.9	9.8	1.1	11.7	14.3	1.5	14.9	18.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	39	17.9	31.6	*	20.5	35.0	*	25.6	38.4	*
Congestive Heart Failure	76	21.1	16.8	4.7	25.0	25.4	5.0	32.9	32.3	5.7
Pneumonia/Influenza	63	15.9	17.3	5.0	23.8	23.0	6.0	28.6	27.7	6.2
Chronic Obstructive Pulmonary Disease	21	9.5	7.7	*	14.3	13.4	*	23.8	18.3	*
Transient Cerebral Ischemia	32	3.1	1.9	*	3.1	4.0	*	3.1	6.2	*
Stroke	38	15.8	23.1	*	15.8	30.2	*	28.9	34.6	*
Hip Fracture	17	0.0	6.3	*	0.0	11.4	*	0.0	14.8	*
Sepsis	3	66.7	43.5	*	100.0	51.6	*	100.0	56.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.3	*	0.0	7.0	*	0.0	9.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	4.3	*	5.9	8.3	*	5.9	11.3	*
Open Reduction of Hip Fracture	4	0.0	6.9	*	0.0	12.0	*	0.0	15.0	*
Prostatectomy	9	0.0	0.7	*	0.0	1.7	*	0.0	2.9	*
Cholecystectomy	25	4.0	2.1	*	4.0	3.7	*	4.0	4.8	*
Hysterectomy	4	0.0	2.3	*	0.0	4.7	*	0.0	6.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	95
Occupancy Rate	54
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	0
Registered Nurses	77
Licensed Practical Nurses	43

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL

Medicare Provider Number: 360089

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,015	9.8	10.0	1.4	13.9	14.7	1.8	16.7	18.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	49	26.5	31.7	*	32.7	35.8	*	36.7	39.6	*
Congestive Heart Failure	73	17.8	18.1	4.6	30.1	27.4	7.6	38.4	34.8	8.4
Pneumonia/Influenza	45	15.6	19.7	*	24.4	26.7	*	33.3	31.7	*
Chronic Obstructive Pulmonary Disease	13	0.0	5.4	*	7.7	10.6	*	7.7	15.3	*
Transient Cerebral Ischemia	40	10.0	2.5	*	10.0	5.3	*	12.5	8.2	*
Stroke	38	31.6	24.3	*	36.8	31.9	*	39.5	36.7	*
Hip Fracture	26	15.4	8.3	*	19.2	14.7	*	19.2	18.5	*
Sepsis	17	23.5	29.8	*	29.4	36.5	*	29.4	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	5.9	*	0.0	8.8	*	0.0	12.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	4.3	*	6.7	7.8	*	6.7	9.9	*
Open Reduction of Hip Fracture	10	10.0	8.1	*	10.0	14.9	*	10.0	19.0	*
Prostatectomy	13	0.0	1.0	*	0.0	2.4	*	0.0	3.8	*
Cholecystectomy	10	0.0	2.0	*	0.0	3.3	*	0.0	4.0	*
Hysterectomy	4	0.0	1.5	*	0.0	4.0	*	0.0	6.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	999	7.2	9.6	1.2	11.3	14.4	1.5	14.6	18.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	33	30.3	35.3	*	36.4	39.1	*	39.4	42.6	*
Congestive Heart Failure	82	19.5	16.6	6.7	26.8	24.6	5.7	34.1	31.4	6.9
Pneumonia/Influenza	39	10.3	20.2	*	15.4	26.5	*	25.6	31.4	*
Chronic Obstructive Pulmonary Disease	20	10.0	7.8	*	15.0	13.6	*	20.0	18.7	*
Transient Cerebral Ischemia	40	2.5	2.4	*	5.0	5.3	*	10.0	8.4	*
Stroke	39	23.1	22.0	*	25.6	28.7	*	28.2	32.9	*
Hip Fracture	28	0.0	5.9	*	7.1	10.8	*	10.7	14.2	*
Sepsis	13	7.7	25.7	*	7.7	30.9	*	15.4	35.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.4	*	0.0	7.4	*	8.3	11.4	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	23	0.0	2.8	*	4.3	5.3	*	4.3	7.1	*
Open Reduction of Hip Fracture	17	0.0	4.9	*	5.9	9.3	*	5.9	12.2	*
Prostatectomy	17	5.9	1.8	*	5.9	4.4	*	5.9	7.2	*
Cholecystectomy	15	0.0	2.1	*	6.7	4.1	*	6.7	5.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL

2200 Jefferson Ave
Toledo, OH 43624

Medicare Provider Number: 360103

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,981	7.7	7.8	0.6	13.6	12.1	1.0	17.2	15.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	35	28.6	31.7	*	34.3	35.3	*	37.1	39.2	*
Congestive Heart Failure	153	9.2	11.4	4.6	17.0	18.3	4.7	24.2	24.2	3.5
Pneumonia/Influenza	101	15.8	17.1	3.9	22.8	23.4	4.6	29.7	28.2	5.7
Chronic Obstructive Pulmonary Disease	33	9.1	6.8	*	33.3	11.7	*	33.3	16.1	*
Transient Cerebral Ischemia	32	0.0	1.7	*	0.0	3.6	*	0.0	5.8	*
Stroke	80	12.5	19.9	8.0	23.7	26.5	6.2	27.5	31.0	6.2
Hip Fracture	44	9.1	6.7	*	18.2	12.2	*	18.2	15.9	*
Sepsis	16	25.0	26.7	*	31.3	32.5	*	37.5	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	1.6	*	13.3	3.6	*	13.3	5.7	*
Carotid Endarterectomy	13	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	25	4.0	3.6	*	8.0	7.3	*	8.0	10.2	*
Open Reduction of Hip Fracture	24	8.3	5.9	*	12.5	11.1	*	12.5	14.6	*
Prostatectomy	80	0.0	0.9	2.4	5.0	2.4	2.1	10.0	4.0	3.2
Cholecystectomy	25	12.0	3.6	*	12.0	6.1	*	16.0	7.5	*
Hysterectomy	12	0.0	0.9	*	0.0	2.0	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	262
Occupancy Rate	66
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	216
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	22
Registered Nurses	225
Licensed Practical Nurses	93

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL

Medicare Provider Number: 360103

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,207	7.3	8.5	0.8	11.6	13.0	0.9	15.7	16.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	53	30.2	35.5	7.0	35.8	38.7	6.8	37.7	42.6	7.3
Congestive Heart Failure	142	12.0	14.6	4.0	17.6	22.8	6.0	23.2	29.6	6.5
Pneumonia/Influenza	75	14.7	14.9	4.1	21.3	20.4	4.8	26.7	24.8	5.8
Chronic Obstructive Pulmonary Disease	36	5.6	6.2	*	5.6	11.5	*	11.1	16.1	*
Transient Cerebral Ischemia	43	2.3	1.8	*	2.3	3.9	*	2.3	6.1	*
Stroke	96	19.8	19.8	4.1	28.1	26.4	5.7	33.3	31.0	7.8
Hip Fracture	36	8.3	6.4	*	13.9	12.0	*	22.2	15.7	*
Sepsis	30	20.0	28.3	*	20.0	34.6	*	33.3	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.2	*	0.0	4.3	*	0.0	6.6	*
Carotid Endarterectomy	20	0.0	1.4	*	5.0	2.6	*	5.0	3.8	*
Hip Replacement/Reconstruction	31	3.2	3.1	*	6.5	5.9	*	6.5	7.9	*
Open Reduction of Hip Fracture	15	6.7	6.0	*	20.0	11.9	*	33.3	16.0	*
Prostatectomy	92	0.0	1.2	1.5	0.0	2.5	2.6	2.2	4.0	3.0
Cholecystectomy	32	0.0	3.7	*	0.0	5.5	*	0.0	6.6	*
Hysterectomy	15	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,355	7.8	8.4	0.7	12.8	13.0	0.7	16.6	16.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	65	27.7	28.1	5.7	32.3	31.1	5.9	36.9	34.4	6.9
Congestive Heart Failure	131	10.7	15.0	3.7	26.0	23.4	4.6	31.3	30.1	4.1
Pneumonia/Influenza	86	20.9	17.4	6.5	27.9	23.7	9.3	34.9	28.7	9.7
Chronic Obstructive Pulmonary Disease	37	13.5	7.8	*	21.6	13.3	*	21.6	17.8	*
Transient Cerebral Ischemia	54	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	84	11.9	17.9	7.5	16.7	24.4	7.6	21.4	28.7	7.8
Hip Fracture	41	4.9	8.1	*	7.3	14.6	*	12.2	18.9	*
Sepsis	35	20.0	30.4	*	37.1	39.2	*	45.7	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	1.6	*	0.0	3.5	*	0.0	5.3	*
Carotid Endarterectomy	19	0.0	1.2	*	0.0	2.3	*	5.3	3.4	*
Hip Replacement/Reconstruction	15	0.0	5.0	*	0.0	9.7	*	0.0	12.9	*
Open Reduction of Hip Fracture	25	8.0	7.0	*	8.0	12.8	*	12.0	16.4	*
Prostatectomy	69	2.9	1.1	1.9	4.3	2.8	2.7	5.8	4.8	3.9
Cholecystectomy	36	0.0	2.0	*	2.8	3.4	*	5.6	4.5	*
Hysterectomy	8	0.0	3.6	*	0.0	5.6	*	12.5	6.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL ANDERSON

7500 State Road
Cincinnati, OH 45255

Medicare Provider Number: 360001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,026	8.0	9.0	0.8	12.7	13.7	1.1	15.4	17.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	54	25.9	27.5	6.6	29.6	30.7	6.9	33.3	33.8	6.7
Congestive Heart Failure	111	16.2	14.8	3.6	22.5	22.6	4.0	28.8	29.1	5.2
Pneumonia/Influenza	109	11.9	15.2	4.6	16.5	20.9	6.0	19.3	25.3	8.3
Chronic Obstructive Pulmonary Disease	29	3.4	6.8	*	13.8	11.7	*	17.2	16.1	*
Transient Cerebral Ischemia	52	0.0	1.5	2.2	1.9	3.1	3.2	1.9	4.7	3.9
Stroke	86	14.0	18.4	5.3	19.8	24.7	7.3	22.1	28.8	8.2
Hip Fracture	54	3.7	6.7	4.4	9.3	12.0	5.1	13.0	15.5	5.3
Sepsis	24	33.3	30.5	*	41.7	39.0	*	41.7	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	3.9	*	0.0	7.2	*	0.0	10.0	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	26	7.7	5.7	*	7.7	10.4	*	11.5	13.9	*
Open Reduction of Hip Fracture	15	0.0	7.1	*	6.7	13.0	*	6.7	16.9	*
Prostatectomy	81	1.2	0.7	1.4	3.7	1.7	2.4	3.7	2.9	2.8
Cholecystectomy	50	0.0	2.8	*	2.0	4.7	*	4.0	5.9	*
Hysterectomy	11	9.1	0.6	*	9.1	1.5	*	9.1	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	186
Occupancy Rate	69
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	181
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	166
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL ANDERSON

Medicare Provider Number: 360001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,300	8.0	9.2	1.1	12.4	13.9	1.3	16.5	17.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	86	37.2	30.2	10.1	38.4	33.2	9.1	40.7	36.5	7.7
Congestive Heart Failure	153	13.1	17.0	4.7	22.9	25.9	5.9	26.8	33.1	8.0
Pneumonia/Influenza	142	13.4	18.1	7.1	19.0	24.4	7.9	24.6	29.4	6.8
Chronic Obstructive Pulmonary Disease	36	8.3	6.7	*	11.1	11.8	*	19.4	16.4	*
Transient Cerebral Ischemia	62	0.0	1.6	2.2	0.0	3.5	4.0	3.2	5.5	3.5
Stroke	91	13.2	21.0	6.9	20.9	27.7	7.2	25.3	32.2	6.3
Hip Fracture	64	3.1	6.3	5.2	7.8	11.3	7.0	10.9	14.5	6.7
Sepsis	7	28.6	31.4	*	42.9	42.0	*	42.9	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.8	*	6.7	7.1	*	6.7	10.0	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	26	0.0	3.9	*	3.8	7.6	*	3.8	10.1	*
Open Reduction of Hip Fracture	22	9.1	5.6	*	9.1	10.2	*	13.6	13.1	*
Prostatectomy	78	0.0	1.0	1.4	0.0	2.4	2.6	2.6	3.9	3.1
Cholecystectomy	66	0.0	2.3	2.6	4.5	4.2	2.5	7.6	5.6	3.2
Hysterectomy	21	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,183	9.9	8.9	0.9	14.0	13.3	0.9	17.0	16.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	85	29.4	30.9	5.2	29.4	34.2	6.0	30.6	37.6	7.1
Congestive Heart Failure	125	24.0	17.0	5.9	30.4	26.0	5.0	36.8	33.2	4.8
Pneumonia/Influenza	86	17.4	15.6	5.2	24.4	21.1	4.7	24.4	25.6	4.8
Chronic Obstructive Pulmonary Disease	18	11.1	8.6	*	16.7	14.1	*	16.7	18.6	*
Transient Cerebral Ischemia	59	0.0	1.9	2.4	1.7	3.9	3.1	3.4	6.2	4.0
Stroke	85	20.0	21.2	4.8	27.1	28.1	7.3	30.6	32.5	5.6
Hip Fracture	55	5.5	6.7	3.8	10.9	12.4	4.5	20.0	16.1	5.5
Sepsis	17	29.4	34.1	*	35.3	42.2	*	41.2	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	4.2	5.0	*	8.3	9.0	*	16.7	12.2	*
Carotid Endarterectomy	7	14.3	1.3	*	14.3	2.4	*	14.3	3.3	*
Hip Replacement/Reconstruction	27	3.7	4.0	*	7.4	8.0	*	14.8	10.8	*
Open Reduction of Hip Fracture	21	4.8	6.7	*	9.5	12.7	*	23.8	16.5	*
Prostatectomy	79	1.3	1.0	1.6	1.3	2.3	2.4	1.3	3.9	3.5
Cholecystectomy	45	4.4	2.8	*	4.4	4.7	*	6.7	6.0	*
Hysterectomy	22	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL OF HAMILTON & FAIRFIELD

100 Riverfront Plaza
Hamilton, OH 45011

Medicare Provider Number: 360056

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,531	9.3	8.9	0.9	14.4	13.3	1.1	17.3	16.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	70	21.4	28.0	8.3	30.0	31.5	7.9	34.3	35.0	6.0
Congestive Heart Failure	137	16.1	16.1	3.5	23.4	24.6	3.8	27.7	31.5	5.9
Pneumonia/Influenza	114	23.7	17.0	8.0	29.8	23.1	8.4	34.2	27.9	8.5
Chronic Obstructive Pulmonary Disease	31	6.5	5.6	*	16.1	10.7	*	19.4	15.3	*
Transient Cerebral Ischemia	60	0.0	1.8	2.3	1.7	3.9	3.1	3.3	6.2	4.2
Stroke	95	17.9	23.7	5.0	20.0	30.0	6.3	23.2	34.5	7.0
Hip Fracture	67	3.0	6.8	4.4	10.4	12.2	5.1	13.4	15.8	5.5
Sepsis	29	34.5	30.8	*	44.8	37.2	*	44.8	42.8	*
PROCEDURES:										
Angioplasty	1	100.0	8.8	*	100.0	9.5	*	100.0	10.4	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.7	*	0.0	5.4	*	8.3	8.0	*
Carotid Endarterectomy	32	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	54	3.7	3.7	2.9	11.1	7.4	5.1	13.0	10.4	6.7
Open Reduction of Hip Fracture	31	6.5	7.3	*	9.7	13.5	*	12.9	17.5	*
Prostatectomy	90	0.0	1.2	1.6	1.1	3.0	2.5	5.6	5.0	2.4
Cholecystectomy	45	4.4	3.4	*	11.1	6.1	*	11.1	8.0	*
Hysterectomy	9	0.0	1.4	*	0.0	2.8	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	263
Occupancy Rate	64
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	313
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	265
Licensed Practical Nurses	57

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL OF HAMILTON & FAIRFIELD

Medicare Provider Number: 360056

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,568	9.5	9.1	0.7	13.6	13.9	0.8	18.0	17.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	63	27.0	28.7	6.0	33.3	32.0	6.0	34.9	35.3	6.5
Congestive Heart Failure	155	19.4	16.0	3.5	25.8	24.6	4.4	31.0	31.6	3.8
Pneumonia/Influenza	113	20.4	17.5	4.3	23.9	23.6	4.6	31.9	28.4	5.7
Chronic Obstructive Pulmonary Disease	33	15.2	9.7	*	18.2	17.2	*	24.2	23.5	*
Transient Cerebral Ischemia	62	0.0	1.9	*	1.6	4.0	*	8.1	6.2	*
Stroke	91	26.4	22.8	5.0	33.0	29.5	5.3	39.6	34.2	6.6
Hip Fracture	56	8.9	7.3	3.8	14.3	13.4	4.6	16.1	17.3	5.5
Sepsis	24	41.7	29.1	*	50.0	37.6	*	54.2	43.9	*
PROCEDURES:										
Angioplasty	1	0.0	2.9	*	0.0	4.3	*	0.0	6.1	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	10.7	*	9.1	16.0	*	9.1	19.6	*
Carotid Endarterectomy	23	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	42	2.4	2.6	*	4.8	5.0	*	7.1	6.6	*
Open Reduction of Hip Fracture	25	16.0	7.3	*	28.0	13.9	*	28.0	18.3	*
Prostatectomy	64	1.6	1.0	2.0	3.1	2.5	2.2	4.7	4.2	2.5
Cholecystectomy	50	0.0	3.1	*	2.0	6.0	*	4.0	8.0	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,618	9.2	8.7	0.9	14.2	13.0	1.0	17.0	16.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	68	38.2	31.5	9.8	41.2	34.8	11.6	41.2	38.6	11.8
Congestive Heart Failure	136	22.1	16.8	4.4	31.6	25.1	5.8	34.6	31.9	5.0
Pneumonia/Influenza	102	18.6	18.1	4.9	27.5	24.4	6.7	29.4	29.5	6.9
Chronic Obstructive Pulmonary Disease	22	4.5	7.8	*	9.1	13.6	*	13.6	18.5	*
Transient Cerebral Ischemia	74	2.7	2.2	2.0	2.7	4.9	3.6	2.7	7.7	5.8
Stroke	90	24.4	22.3	4.6	32.2	29.0	5.1	40.0	33.7	6.6
Hip Fracture	75	9.3	6.0	4.6	13.3	11.0	4.0	16.0	14.4	4.3
Sepsis	38	18.4	30.5	*	26.3	37.8	*	28.9	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.8	*	7.1	5.9	*	14.3	9.0	*
Carotid Endarterectomy	37	0.0	1.3	*	2.7	2.4	*	2.7	3.4	*
Hip Replacement/Reconstruction	47	2.1	2.8	*	4.3	5.3	*	6.4	7.0	*
Open Reduction of Hip Fracture	38	7.9	5.0	*	10.5	9.7	*	13.2	13.1	*
Prostatectomy	89	1.1	0.6	1.0	1.1	1.6	1.4	1.1	2.7	2.1
Cholecystectomy	50	0.0	1.2	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	11	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MERCY HOSPITAL WILLARD

110 E Howard St
Willard, OH 44890

Medicare Provider Number: 360063

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	324	11.7	8.9	1.9	16.0	13.3	2.2	17.0	16.8	2.3
CONDITIONS:										
Acute Myocardial Infarction	9	88.9	30.7	*	88.9	33.5	*	88.9	37.0	*
Congestive Heart Failure	26	15.4	14.1	*	30.8	22.2	*	30.8	28.9	*
Pneumonia/Influenza	29	20.7	15.7	*	24.1	21.1	*	24.1	25.6	*
Chronic Obstructive Pulmonary Disease	9	0.0	7.5	*	0.0	13.9	*	11.1	19.6	*
Transient Cerebral Ischemia	5	0.0	1.3	*	0.0	3.1	*	0.0	4.9	*
Stroke	14	21.4	20.8	*	28.6	28.2	*	28.6	33.1	*
Hip Fracture	14	0.0	5.7	*	7.1	10.5	*	7.1	13.8	*
Sepsis	1	100.0	66.9	*	100.0	74.6	*	100.0	81.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	5.2	*	16.7	9.7	*	16.7	12.8	*
Open Reduction of Hip Fracture	3	0.0	7.1	*	0.0	14.0	*	0.0	19.0	*
Prostatectomy	6	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	10	20.0	2.7	*	20.0	4.6	*	20.0	5.6	*
Hysterectomy	2	0.0	1.6	*	0.0	3.9	*	0.0	6.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 54
Occupancy Rate 28
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 11
Percent of Physicians Board Certified Specialists 45
Medical Residents/Interns 0
Registered Nurses 31
Licensed Practical Nurses 18

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL WILLARD

Medicare Provider Number: 360063

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	333	9.6	8.7	1.9	15.0	12.8	2.9	18.9	16.2	3.5
CONDITIONS:										
Acute Myocardial Infarction	10	30.0	27.9	*	40.0	30.7	*	40.0	34.2	*
Congestive Heart Failure	22	13.6	14.9	*	31.8	23.2	*	36.4	29.9	*
Pneumonia/Influenza	31	22.6	16.2	*	35.5	21.8	*	38.7	26.3	*
Chronic Obstructive Pulmonary Disease	6	0.0	7.4	*	0.0	12.5	*	0.0	17.0	*
Transient Cerebral Ischemia	4	0.0	1.8	*	0.0	4.1	*	0.0	6.6	*
Stroke	10	30.0	15.5	*	40.0	21.0	*	40.0	25.2	*
Hip Fracture	8	12.5	7.4	*	25.0	13.8	*	25.0	17.7	*
Sepsis	2	0.0	28.2	*	0.0	34.4	*	0.0	38.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.8	*	0.0	7.8	*	0.0	10.6	*
Open Reduction of Hip Fracture	5	20.0	8.1	*	40.0	15.6	*	40.0	20.2	*
Prostatectomy	6	0.0	0.3	*	16.7	0.6	*	16.7	1.0	*
Cholecystectomy	5	0.0	1.8	*	20.0	3.5	*	20.0	4.7	*
Hysterectomy	3	0.0	0.9	*	0.0	1.8	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	372	9.7	8.8	1.6	12.1	12.9	1.8	14.8	16.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	14	35.7	25.1	*	35.7	28.1	*	35.7	31.1	*
Congestive Heart Failure	19	21.1	15.8	*	21.1	23.8	*	31.6	30.7	*
Pneumonia/Influenza	20	20.0	16.3	*	25.0	21.8	*	25.0	26.6	*
Chronic Obstructive Pulmonary Disease	5	20.0	10.0	*	40.0	16.0	*	40.0	20.9	*
Transient Cerebral Ischemia	7	0.0	1.8	*	0.0	3.5	*	0.0	5.4	*
Stroke	22	27.3	21.5	*	31.8	27.9	*	40.9	32.4	*
Hip Fracture	13	7.7	5.5	*	7.7	10.2	*	15.4	13.3	*
Sepsis	2	0.0	19.6	*	0.0	27.0	*	0.0	31.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	6.3	*	33.3	12.1	*	66.7	15.9	*
Open Reduction of Hip Fracture	8	0.0	4.4	*	0.0	8.5	*	0.0	11.3	*
Prostatectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	1.1	*
Cholecystectomy	6	0.0	1.5	*	0.0	2.6	*	0.0	3.4	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY MEDICAL CENTER OF SPRINGFIELD

1343 Fountain Blvd
Springfield, OH 45501

Medicare Provider Number: 360086

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,341	9.6	9.3	0.9	14.1	14.0	0.7	18.0	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	85	23.5	28.4	6.1	25.9	31.2	5.7	30.6	34.4	5.7
Congestive Heart Failure	126	15.1	15.5	3.9	23.8	23.6	5.6	30.2	30.3	4.1
Pneumonia/Influenza	140	17.9	16.8	3.7	26.4	22.8	5.9	30.7	27.5	5.3
Chronic Obstructive Pulmonary Disease	52	11.5	8.1	5.5	17.3	14.1	7.8	25.0	19.1	8.5
Transient Cerebral Ischemia	48	2.1	2.1	*	2.1	4.7	*	6.3	7.6	*
Stroke	92	18.5	21.3	4.8	25.0	28.0	5.4	27.2	32.4	7.1
Hip Fracture	65	1.5	5.9	4.6	9.2	10.9	4.2	15.4	14.3	4.5
Sepsis	30	20.0	23.8	*	26.7	32.4	*	33.3	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	12.5	4.7	*	15.6	7.7	*	18.8	10.4	*
Carotid Endarterectomy	11	9.1	1.2	*	9.1	2.1	*	9.1	3.1	*
Hip Replacement/Reconstruction	43	0.0	4.0	*	4.7	7.6	*	9.3	10.1	*
Open Reduction of Hip Fracture	29	3.4	5.8	*	10.3	11.1	*	17.2	14.7	*
Prostatectomy	64	0.0	0.7	1.2	0.0	1.6	2.1	1.6	2.8	2.3
Cholecystectomy	49	0.0	2.5	*	0.0	4.7	*	0.0	6.3	*
Hysterectomy	16	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 369
Occupancy Rate 51
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 128
Percent of Physicians Board Certified Specialists 76
Medical Residents/Interns 0
Registered Nurses 166
Licensed Practical Nurses 48

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

MERCY MEDICAL CENTER OF SPRINGFIELD

Medicare Provider Number: 360086

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,366	8.9	9.5	0.7	14.3	14.3	0.8	17.5	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	76	34.2	32.2	5.6	38.2	35.2	6.1	43.4	38.6	7.3
Congestive Heart Failure	137	15.3	16.6	3.7	27.0	25.3	4.0	32.1	32.2	5.0
Pneumonia/Influenza	110	13.6	19.0	4.5	27.3	25.4	4.2	30.9	30.2	4.9
Chronic Obstructive Pulmonary Disease	32	6.3	6.8	*	18.8	12.6	*	25.0	17.7	*
Transient Cerebral Ischemia	50	4.0	1.7	*	4.0	3.7	*	8.0	5.8	*
Stroke	106	19.8	20.7	4.0	29.2	27.9	4.8	34.9	32.6	5.5
Hip Fracture	80	6.3	7.8	3.2	15.0	13.8	4.0	18.8	17.4	4.8
Sepsis	31	19.4	28.9	*	29.0	36.8	*	38.7	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	34	5.9	5.8	*	8.8	9.3	*	8.8	12.5	*
Carotid Endarterectomy	18	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	43	7.0	5.8	*	9.3	10.6	*	11.6	13.6	*
Open Reduction of Hip Fracture	43	2.3	6.2	*	14.0	11.8	*	14.0	15.4	*
Prostatectomy	66	1.5	1.1	2.4	4.5	2.6	2.8	4.5	4.3	3.4
Cholecystectomy	46	6.5	3.5	*	8.7	6.5	*	10.9	8.7	*
Hysterectomy	22	4.5	0.5	*	4.5	1.1	*	4.5	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,449	9.4	9.6	0.8	14.8	14.6	0.9	17.9	18.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	76	34.2	33.0	6.9	39.5	36.7	7.3	43.4	40.4	6.5
Congestive Heart Failure	127	21.3	16.6	4.9	29.1	24.8	4.4	33.1	31.7	4.2
Pneumonia/Influenza	81	17.3	22.4	5.6	25.9	29.2	5.8	33.3	34.4	5.5
Chronic Obstructive Pulmonary Disease	39	10.3	7.0	*	15.4	13.0	*	25.6	18.1	*
Transient Cerebral Ischemia	43	0.0	1.9	*	0.0	4.0	*	0.0	6.4	*
Stroke	100	16.0	21.5	6.7	22.0	28.9	8.2	26.0	33.5	9.3
Hip Fracture	70	8.6	8.1	3.5	14.3	14.3	4.5	17.1	18.4	5.0
Sepsis	28	25.0	28.4	*	32.1	36.9	*	32.1	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	4.5	*	9.5	8.2	*	14.3	11.5	*
Carotid Endarterectomy	14	7.1	1.5	*	7.1	2.8	*	7.1	4.0	*
Hip Replacement/Reconstruction	26	3.8	5.7	*	7.7	10.6	*	11.5	13.8	*
Open Reduction of Hip Fracture	39	10.3	7.7	*	17.9	14.2	*	20.5	18.6	*
Prostatectomy	59	1.7	1.4	2.4	3.4	3.5	4.2	8.5	5.8	4.5
Cholecystectomy	52	3.8	3.3	2.7	9.6	6.4	5.1	9.6	8.5	4.5
Hysterectomy	15	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MERCY MEMORIAL HOSPITAL

904 Scioto Ave
Urbana, OH 43078

Medicare Provider Number: 360088

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	516	9.3	11.0	1.8	14.9	16.6	2.3	17.1	20.8	2.6
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	32.6	*	33.3	36.1	*	33.3	39.7	*
Congestive Heart Failure	37	16.2	16.7	*	37.8	25.7	*	37.8	32.9	*
Pneumonia/Influenza	28	10.7	16.4	*	17.9	22.3	*	21.4	26.7	*
Chronic Obstructive Pulmonary Disease	10	0.0	9.8	*	10.0	18.5	*	20.0	25.5	*
Transient Cerebral Ischemia	5	0.0	2.0	*	0.0	4.6	*	0.0	7.4	*
Stroke	17	23.5	28.3	*	35.3	34.6	*	41.2	39.2	*
Hip Fracture	10	0.0	10.6	*	10.0	18.2	*	10.0	23.1	*
Sepsis	9	0.0	33.6	*	11.1	40.8	*	11.1	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	8.8	*	16.7	14.8	*	33.3	19.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	6.7	*	0.0	12.7	*	0.0	17.2	*
Open Reduction of Hip Fracture	6	0.0	10.7	*	16.7	18.8	*	16.7	23.6	*
Prostatectomy	19	5.3	1.2	*	10.5	3.1	*	10.5	5.6	*
Cholecystectomy	11	0.0	4.0	*	0.0	6.1	*	0.0	7.3	*
Hysterectomy	2	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 61
Occupancy Rate 41
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 22
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 0
Registered Nurses 49
Licensed Practical Nurses 12

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERCY MEMORIAL HOSPITAL

Medicare Provider Number: 360088

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	643	9.5	9.2	1.2	12.8	13.7	1.4	15.7	17.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	23	26.1	30.0	*	30.4	34.1	*	30.4	37.8	*
Congestive Heart Failure	37	10.8	17.9	*	24.3	26.8	*	32.4	33.9	*
Pneumonia/Influenza	30	16.7	17.8	*	20.0	23.8	*	20.0	28.3	*
Chronic Obstructive Pulmonary Disease	15	6.7	8.3	*	6.7	14.0	*	6.7	18.9	*
Transient Cerebral Ischemia	19	0.0	2.0	*	0.0	4.3	*	5.3	6.8	*
Stroke	23	47.8	22.9	*	52.2	30.0	*	56.5	34.9	*
Hip Fracture	15	0.0	6.8	*	13.3	12.7	*	13.3	16.6	*
Sepsis	5	0.0	26.4	*	20.0	35.0	*	20.0	40.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	13.2	*	0.0	22.8	*	0.0	28.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.6	*	33.3	9.7	*	33.3	13.5	*
Open Reduction of Hip Fracture	11	0.0	5.9	*	9.1	11.5	*	9.1	15.3	*
Prostatectomy	16	6.3	1.2	*	6.3	2.9	*	6.3	4.7	*
Cholecystectomy	19	10.5	3.3	*	10.5	5.7	*	10.5	7.2	*
Hysterectomy	6	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	624	9.0	10.7	1.9	13.5	15.7	2.0	16.2	19.8	2.1
CONDITIONS:										
Acute Myocardial Infarction	22	13.6	34.5	*	18.2	38.6	*	22.7	42.9	*
Congestive Heart Failure	36	22.2	20.4	*	30.6	30.1	*	36.1	37.5	*
Pneumonia/Influenza	30	13.3	16.5	*	20.0	21.6	*	20.0	25.9	*
Chronic Obstructive Pulmonary Disease	13	15.4	11.2	*	30.8	19.5	*	30.8	25.8	*
Transient Cerebral Ischemia	11	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Stroke	22	27.3	23.4	*	31.8	31.1	*	36.4	36.0	*
Hip Fracture	20	10.0	8.1	*	10.0	14.0	*	15.0	17.7	*
Sepsis	10	10.0	30.1	*	20.0	36.4	*	20.0	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	5.0	*	0.0	9.7	*	0.0	13.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.8	*	0.0	7.6	*	0.0	10.4	*
Open Reduction of Hip Fracture	12	8.3	7.5	*	8.3	13.5	*	16.7	17.0	*
Prostatectomy	14	0.0	2.0	*	7.1	4.4	*	7.1	6.9	*
Cholecystectomy	11	0.0	2.7	*	0.0	4.0	*	0.0	5.1	*
Hysterectomy	4	0.0	1.5	*	0.0	3.1	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERIDIA HILLCREST HOSPITAL

6780 Mayfield Rd
Mayfield Heights, OH 44124

Medicare Provider Number: 360230

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,150	8.5	9.5	0.7	13.0	14.1	0.9	16.0	17.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	102	28.4	30.0	5.4	33.3	33.3	5.5	37.3	36.8	4.9
Congestive Heart Failure	192	14.6	16.2	3.4	23.4	25.0	3.9	28.1	32.1	4.4
Pneumonia/Influenza	92	15.2	17.1	5.5	17.4	23.2	6.4	20.7	27.8	8.2
Chronic Obstructive Pulmonary Disease	39	7.7	10.1	*	12.8	16.6	*	23.1	22.0	*
Transient Cerebral Ischemia	56	3.6	1.8	2.2	3.6	3.8	3.7	3.6	6.1	5.6
Stroke	137	15.3	19.3	4.9	23.4	26.5	5.4	29.2	31.0	4.2
Hip Fracture	74	2.7	6.8	4.9	9.5	12.1	7.2	10.8	15.7	8.4
Sepsis	23	30.4	29.6	*	34.8	37.1	*	39.1	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	4.4	*	4.5	8.3	*	4.5	11.6	*
Carotid Endarterectomy	35	0.0	1.3	*	0.0	2.4	*	2.9	3.5	*
Hip Replacement/Reconstruction	57	1.8	2.7	2.9	1.8	5.1	4.2	5.3	6.9	5.1
Open Reduction of Hip Fracture	46	2.2	5.7	*	6.5	10.5	*	6.5	13.7	*
Prostatectomy	120	2.5	1.2	1.6	3.3	2.5	2.1	5.0	4.0	2.3
Cholecystectomy	72	2.8	2.9	2.7	2.8	5.0	3.7	2.8	6.5	4.5
Hysterectomy	29	3.4	0.6	*	3.4	1.4	*	3.4	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 281
Occupancy Rate 75
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 258
Percent of Physicians Board Certified Specialists 91
Medical Residents/Interns 0
Registered Nurses 329
Licensed Practical Nurses 85

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERIDIA HILLCREST HOSPITAL

Medicare Provider Number: 360230

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,269	8.9	10.0	0.7	13.3	14.8	0.9	16.4	18.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	118	21.2	30.8	6.0	23.7	34.0	6.3	26.3	37.5	6.9
Congestive Heart Failure	162	21.6	17.3	5.4	29.6	26.1	5.6	38.3	33.1	6.8
Pneumonia/Influenza	96	16.7	17.4	4.0	25.0	23.6	5.5	30.2	28.4	7.8
Chronic Obstructive Pulmonary Disease	55	12.7	10.6	4.8	25.5	17.6	8.5	25.5	23.1	6.4
Transient Cerebral Ischemia	55	0.0	2.3	*	3.6	5.1	*	3.6	8.0	*
Stroke	157	21.0	24.7	4.8	29.3	31.7	5.7	32.5	36.5	7.1
Hip Fracture	96	8.3	7.1	2.9	9.4	12.2	4.5	12.5	15.4	5.8
Sepsis	26	19.2	29.4	*	34.6	36.4	*	34.6	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	3.9	*	6.3	6.6	*	6.3	9.4	*
Carotid Endarterectomy	30	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	63	4.8	4.4	2.6	6.3	7.5	3.6	7.9	9.6	4.6
Open Reduction of Hip Fracture	53	7.5	6.2	3.7	7.5	11.2	5.9	9.4	14.3	7.9
Prostatectomy	126	0.8	1.1	1.0	1.6	2.5	1.7	4.0	4.2	1.8
Cholecystectomy	64	1.6	4.4	3.6	4.7	7.5	4.9	4.7	9.5	5.0
Hysterectomy	44	2.3	0.5	*	2.3	1.1	*	2.3	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,349	9.0	10.2	0.9	14.2	14.9	1.0	17.5	18.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	147	29.9	34.0	6.4	33.3	37.5	7.1	35.4	41.1	8.2
Congestive Heart Failure	157	18.5	20.0	4.3	28.0	29.5	7.1	34.4	36.9	6.5
Pneumonia/Influenza	97	19.6	18.6	5.1	25.8	24.6	4.6	28.9	29.4	5.4
Chronic Obstructive Pulmonary Disease	66	10.6	11.8	5.0	22.7	19.1	5.9	27.3	24.7	6.1
Transient Cerebral Ischemia	55	1.8	2.3	2.3	5.5	4.8	3.1	9.1	7.4	4.1
Stroke	129	24.8	26.6	5.3	31.8	34.1	5.5	39.5	38.9	4.5
Hip Fracture	89	5.6	7.1	3.0	12.4	12.9	4.4	16.9	16.7	4.0
Sepsis	28	14.3	33.9	*	35.7	41.1	*	42.9	47.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	6.0	*	5.0	10.2	*	5.0	13.7	*
Carotid Endarterectomy	42	2.4	1.5	*	2.4	2.6	*	2.4	3.8	*
Hip Replacement/Reconstruction	57	5.3	3.4	2.8	7.0	6.3	3.6	12.3	8.1	6.1
Open Reduction of Hip Fracture	46	4.3	6.5	*	10.9	12.3	*	13.0	16.0	*
Prostatectomy	161	0.0	1.3	1.3	2.5	3.1	2.2	2.5	5.1	3.0
Cholecystectomy	83	2.4	3.7	2.3	4.8	6.1	2.8	7.2	7.7	3.0
Hysterectomy	28	3.6	1.2	*	3.6	2.5	*	7.1	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERIDIA SUBURBAN HOSPITAL

4180 Warrensville Center Road
Cleveland, OH 44122

Medicare Provider Number: 360144

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,518	10.1	12.2	1.1	15.2	18.3	1.4	19.4	22.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	34	26.5	26.9	*	32.4	30.0	*	35.3	33.2	*
Congestive Heart Failure	115	11.3	17.3	4.0	14.8	26.3	5.3	20.0	33.4	6.1
Pneumonia/Influenza	95	11.6	19.2	5.6	23.2	26.3	4.9	28.4	31.4	5.0
Chronic Obstructive Pulmonary Disease	21	9.5	14.9	*	14.3	23.5	*	19.0	30.7	*
Transient Cerebral Ischemia	26	0.0	2.4	*	0.0	5.7	*	11.5	9.3	*
Stroke	61	27.9	25.2	6.2	34.4	32.5	7.3	39.3	37.2	8.4
Hip Fracture	25	12.0	6.5	*	16.0	11.7	*	28.0	15.3	*
Sepsis	31	16.1	27.3	*	22.6	37.7	*	29.0	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.9	*	0.0	6.5	*	0.0	10.3	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	6	0.0	6.0	*	16.7	11.0	*	16.7	14.3	*
Open Reduction of Hip Fracture	10	10.0	4.6	*	10.0	8.7	*	10.0	11.5	*
Prostatectomy	42	0.0	0.8	*	2.4	1.9	*	2.4	3.3	*
Cholecystectomy	13	0.0	4.3	*	0.0	7.8	*	0.0	9.9	*
Hysterectomy	7	0.0	0.8	*	14.3	1.6	*	14.3	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 180
Occupancy Rate 62
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 299
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 0
Registered Nurses 128
Licensed Practical Nurses 39

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MERIDIA SUBURBAN HOSPITAL

Medicare Provider Number: 360144

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,676	12.2	12.6	1.2	18.4	18.7	1.4	23.3	23.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	44	31.8	30.3	*	31.8	33.4	*	36.4	36.8	*
Congestive Heart Failure	118	18.6	17.8	3.8	27.1	26.8	4.3	33.9	33.8	4.5
Pneumonia/Influenza	107	17.8	19.4	4.0	29.9	26.4	4.7	37.4	31.4	6.0
Chronic Obstructive Pulmonary Disease	27	3.7	14.2	*	18.5	22.8	*	18.5	29.2	*
Transient Cerebral Ischemia	35	5.7	2.2	*	11.4	4.7	*	20.0	7.4	*
Stroke	63	23.8	22.7	7.7	31.7	29.3	6.6	33.3	33.8	6.0
Hip Fracture	23	17.4	8.7	*	17.4	15.3	*	30.4	19.1	*
Sepsis	34	32.4	30.3	*	41.2	40.0	*	55.9	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	2.2	*	10.0	4.2	*	10.0	6.3	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	8	12.5	7.5	*	12.5	13.6	*	12.5	17.0	*
Open Reduction of Hip Fracture	12	16.7	7.7	*	16.7	14.2	*	33.3	18.3	*
Prostatectomy	47	2.1	2.2	*	6.4	5.2	*	6.4	8.1	*
Cholecystectomy	12	8.3	2.8	*	8.3	4.8	*	8.3	6.4	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,501	10.9	12.8	1.2	16.5	18.7	1.3	20.9	23.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	45	31.1	32.2	*	33.3	35.3	*	37.8	38.8	*
Congestive Heart Failure	120	14.2	18.4	5.6	21.7	27.5	6.4	28.3	34.6	7.5
Pneumonia/Influenza	73	12.3	18.9	5.8	23.3	25.8	5.9	26.0	30.8	5.9
Chronic Obstructive Pulmonary Disease	24	8.3	16.7	*	20.8	25.3	*	37.5	31.1	*
Transient Cerebral Ischemia	39	0.0	2.3	*	0.0	4.8	*	0.0	7.6	*
Stroke	66	27.3	24.2	6.0	27.3	31.5	6.7	36.4	36.3	6.1
Hip Fracture	28	7.1	8.0	*	14.3	14.2	*	21.4	18.0	*
Sepsis	38	23.7	29.1	*	42.1	39.1	*	50.0	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	5.4	*	0.0	11.1	*	12.5	16.1	*
Carotid Endarterectomy	5	20.0	2.0	*	40.0	3.7	*	40.0	5.3	*
Hip Replacement/Reconstruction	11	9.1	5.1	*	18.2	9.3	*	27.3	11.8	*
Open Reduction of Hip Fracture	19	5.3	7.2	*	10.5	13.5	*	15.8	17.6	*
Prostatectomy	34	0.0	2.2	*	5.9	5.3	*	11.8	8.7	*
Cholecystectomy	16	6.3	3.7	*	6.3	6.3	*	6.3	7.6	*
Hysterectomy	5	0.0	1.3	*	0.0	2.7	*	0.0	4.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

METRO HEALTH MEDICAL CENTER

3395 Scranton Rd
Cleveland, OH 44109

Medicare Provider Number: 360059

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,930	9.6	8.6	0.9	14.5	13.6	1.0	18.2	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	38	36.8	25.4	*	42.1	28.7	*	44.7	32.2	*
Congestive Heart Failure	97	9.3	13.7	4.5	12.4	21.2	6.4	21.6	27.6	6.7
Pneumonia/Influenza	36	16.7	13.3	*	19.4	19.0	*	22.2	23.2	*
Chronic Obstructive Pulmonary Disease	36	8.3	9.8	*	13.9	17.8	*	19.4	24.6	*
Transient Cerebral Ischemia	8	0.0	2.0	*	12.5	4.4	*	12.5	7.1	*
Stroke	66	13.6	17.7	6.5	19.7	24.2	8.4	21.2	28.3	10.2
Hip Fracture	32	15.6	8.2	*	15.6	13.9	*	18.8	17.5	*
Sepsis	8	37.5	20.4	*	37.5	26.6	*	37.5	31.4	*
PROCEDURES:										
Angioplasty	8	0.0	4.2	*	0.0	5.1	*	0.0	6.2	*
Coronary Artery Bypass Graft	41	9.8	5.1	*	14.6	7.4	*	17.1	8.7	*
Initial Pacemaker Insertion	6	0.0	3.1	*	0.0	6.2	*	0.0	9.1	*
Carotid Endarterectomy	7	0.0	1.5	*	14.3	3.0	*	14.3	4.3	*
Hip Replacement/Reconstruction	26	7.7	4.3	*	11.5	7.3	*	11.5	9.4	*
Open Reduction of Hip Fracture	10	10.0	7.1	*	10.0	12.6	*	20.0	16.0	*
Prostatectomy	21	0.0	1.8	*	0.0	4.5	*	0.0	7.4	*
Cholecystectomy	19	0.0	6.6	*	0.0	12.0	*	5.3	15.4	*
Hysterectomy	26	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 721
Ownership/Control ..... Local Government

STAFFING:

Medical Residents/Interns 247
Registered Nurses 772
Licensed Practical Nurses 76

SPECIALTY SERVICES:

Burn Unit ..... Yes
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... Yes

**** Not used in calculating hospital mortality rates.**

METRO HEALTH MEDICAL CENTER

Medicare Provider Number: 360059

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,948	9.5	9.3	0.7	15.3	14.7	1.0	19.4	18.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	33	36.4	27.5	*	42.4	30.8	*	42.4	34.0	*
Congestive Heart Failure	98	14.3	15.5	4.3	19.4	24.0	6.2	27.6	30.9	5.7
Pneumonia/Influenza	50	22.0	17.9	*	32.0	24.8	*	34.0	29.8	*
Chronic Obstructive Pulmonary Disease	46	13.0	12.4	*	15.2	20.9	*	26.1	27.2	*
Transient Cerebral Ischemia	11	0.0	1.7	*	0.0	3.5	*	0.0	5.4	*
Strcke	66	24.2	18.6	7.4	30.3	25.1	7.5	31.8	29.4	6.3
Hip Fracture	20	15.0	8.2	*	15.0	14.7	*	20.0	18.6	*
Sepsis	6	33.3	27.2	*	33.3	39.7	*	33.3	48.3	*
PROCEDURE:										
Angioplasty	7	14.3	2.9	*	14.3	3.8	*	14.3	4.9	*
Coronary Artery Bypass Graft	24	4.2	7.1	*	16.7	10.0	*	16.7	11.6	*
Initial Pacemaker Insertion	13	30.8	11.5	*	30.8	15.8	*	46.2	19.4	*
Carotid Endarterectomy	5	0.0	1.8	*	20.0	3.4	*	20.0	5.0	*
Hip Replacement/Reconstruction	16	0.0	4.7	*	0.0	9.4	*	0.0	12.6	*
Open Reduction of Hip Fracture	8	0.0	6.3	*	0.0	11.5	*	12.5	14.8	*
Prostatectomy	42	0.0	1.0	*	4.8	2.4	*	7.1	4.0	*
Cholecystectomy	17	5.9	7.5	*	11.8	12.7	*	11.8	15.7	*
Hysterectomy	21	9.5	0.9	*	9.5	1.9	*	9.5	2.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,949	9.6	9.5	0.8	15.8	15.0	0.9	19.9	19.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	23	39.1	27.2	*	52.2	30.8	*	56.5	34.4	*
Congestive Heart Failure	88	10.2	16.1	5.6	20.5	24.1	5.9	25.0	30.7	6.4
Pneumonia/Influenza	56	10.7	13.8	4.8	12.5	19.2	5.9	14.3	23.2	6.5
Chronic Obstructive Pulmonary Disease	42	7.1	13.1	*	9.5	22.6	*	11.9	29.8	*
Transient Cerebral Ischemia	13	0.0	1.6	*	0.0	3.1	*	0.0	4.7	*
Stroke	53	3.8	16.1	6.9	7.5	22.9	8.2	11.3	27.2	8.8
Hip Fracture	18	0.0	5.9	*	11.1	10.2	*	16.7	13.2	*
Sepsis	10	70.0	28.2	*	80.0	35.8	*	80.0	41.8	*
PROCEDURES:										
Angioplasty	1	0.0	1.2	*	0.0	1.5	*	0.0	2.0	*
Coronary Artery Bypass Graft	22	18.2	6.6	*	18.2	8.8	*	18.2	9.9	*
Initial Pacemaker Insertion	8	0.0	4.4	*	25.0	8.8	*	37.5	12.8	*
Carotid Endarterectomy	5	0.0	1.9	*	0.0	3.9	*	0.0	6.0	*
Hip Replacement/Reconstruction	13	0.0	2.0	*	7.7	3.7	*	7.7	4.9	*
Open Reduction of Hip Fracture	7	0.0	4.7	*	0.0	8.5	*	14.3	10.9	*
Prostatectomy	34	0.0	1.4	*	0.0	3.4	*	2.9	5.5	*
Cholecystectomy	26	7.7	6.1	*	15.4	11.2	*	15.4	14.7	*
Hysterectomy	38	0.0	0.9	*	0.0	2.0	*	2.6	3.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

235.1

The MetroHealth System
3395 Scranton Road, Cleveland, Ohio 44109

216 398-6000

MEDICARE PROVIDER NUMBER 360059

January 8, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We were pleased to receive the advance copy of this year's Medicare mortality report. We have incorporated this information into our already extensive quality management process and look forward to future refinements which will further increase its utility.

These data must be interpreted carefully. HCFA's predictive model has been greatly improved over the years, making evaluation of observed mortality rates more meaningful, but the model does not yet account for many factors which explain variations among hospitals. Hospitals have different missions, offer different programs and services, and care for different patient populations. Within any diagnostic or procedure category, some hospitals have more patients at greater risk of dying as a direct cause of their primary disease or from other causes which may not be adequately accounted for by the current model.

When HCFA disseminates these data to the public, the uncertainty and inprecision of the predicted mortality rates must be concisely and carefully explained. Because most categories lack the information needed to assess statistical significance, some readers may focus only on the relation of observed to predicted rates and reach improper conclusions. Without a test of statistical significance, observed rates, whether high or low, should not be interpreted as being discernibly different from the predicted rates. This might be accomplished by revising the

explanation under the mortality rate tables to read:

* The number of cases or deaths in this category is too small to satisfactorily estimate the standard deviation and assess whether observed and predicted rates are discernibly different.

Sincerely,

Henry E. Manning
President and Chief Executive Officer

HEM/GDW:abb
/1085

METROHEALTH HOSPITAL FOR WOMEN

1881 Torbenson Drive
Cleveland, OH 44112

Medicare Provider Number: 360061

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	62
Occupancy Rate	16
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	46
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	0
Registered Nurses	44
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

METROHEALTH HOSPITAL FOR WOMEN

Medicare Provider Number: 360061

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1	0.0	0.4	*	0.0	0.9	*	0.0	1.6	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	7.5	*	0.0	14.2	*	0.0	20.4	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MIAMI VALLEY HOSPITAL

1 Wyoming St
Dayton, OH 45409

Medicare Provider Number: 360051

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,161	8.1	7.9	0.5	12.6	12.2	0.5	15.9	15.6	0.6
CONDITIONS:										
Acute Myocardial Infarction	127	22.0	24.4	4.4	25.2	28.0	5.2	26.8	31.4	6.4
Congestive Heart Failure	206	11.2	13.6	3.8	20.9	21.1	3.0	28.6	27.5	3.2
Pneumonia/Influenza	141	17.7	16.1	3.3	27.7	21.8	5.0	31.9	26.3	5.7
Chronic Obstructive Pulmonary Disease	41	17.1	7.6	*	19.5	12.7	*	22.0	17.0	*
Transient Cerebral Ischemia	68	1.5	1.6	1.6	2.9	3.5	2.3	5.9	5.6	2.8
Stroke	162	18.5	20.5	3.6	25.9	27.1	3.8	29.0	31.4	4.2
Hip Fracture	100	8.0	6.3	2.8	9.0	11.3	3.7	13.0	14.7	4.1
Sepsis	28	17.9	24.6	*	21.4	33.9	*	21.4	40.3	*
PROCEDURES:										
Angioplasty	45	4.4	3.1	*	4.4	3.8	*	4.4	4.6	*
Coronary Artery Bypass Graft	93	6.5	5.2	2.7	9.7	7.5	3.3	9.7	9.0	3.7
Initial Pacemaker Insertion	30	6.7	3.6	*	16.7	6.6	*	16.7	9.3	*
Carotid Endarterectomy	16	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	65	6.2	3.4	3.0	6.2	6.5	3.1	6.2	8.6	4.0
Open Reduction of Hip Fracture	30	3.3	6.4	*	3.3	12.0	*	6.7	15.8	*
Prostatectomy	112	0.9	1.1	1.0	0.9	2.3	2.0	2.7	3.8	2.1
Cholecystectomy	74	4.1	2.1	2.4	4.1	3.8	2.5	4.1	5.2	3.5
Hysterectomy	35	2.9	2.0	*	5.7	3.8	*	8.6	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	731
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	390
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	50
Registered Nurses	868
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MIAMI VALLEY HOSPITAL

Medicare Provider Number: 360051

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,322	8.2	8.6	0.5	13.4	13.2	0.7	17.2	16.8	0.6
CONDITIONS:										
Acute Myocardial Infarction	135	23.7	23.9	3.7	29.6	27.1	4.1	37.0	30.5	5.1
Congestive Heart Failure	215	13.0	17.0	4.4	21.9	25.9	4.9	30.7	32.9	3.9
Pneumonia/Influenza	133	14.3	17.6	4.9	23.3	23.6	3.7	28.6	28.3	3.9
Chronic Obstructive Pulmonary Disease	43	7.0	9.5	*	11.6	15.0	*	14.0	19.6	*
Transient Cerebral Ischemia	77	2.6	2.1	1.8	3.9	4.6	2.6	5.2	7.2	3.6
Stroke	150	12.7	20.4	4.6	18.0	27.4	5.3	25.3	32.0	4.9
Hip Fracture	93	5.4	6.4	2.7	7.5	11.6	4.6	9.7	14.9	5.2
Sepsis	40	35.0	31.8	*	42.5	40.4	*	45.0	46.7	*
PROCEDURES:										
Angioplasty	52	1.9	3.6	3.6	3.8	4.6	4.3	7.7	5.7	4.6
Coronary Artery Bypass Graft	103	6.8	6.6	2.6	13.6	9.3	3.9	14.6	10.9	4.3
Initial Pacemaker Insertion	34	14.7	8.7	*	17.6	12.2	*	20.6	15.1	*
Carotid Endarterectomy	31	3.2	1.4	*	9.7	2.6	*	9.7	3.8	*
Hip Replacement/Reconstruction	64	4.7	3.8	4.4	4.7	7.4	5.8	6.3	9.9	6.8
Open Reduction of Hip Fracture	22	0.0	6.9	*	4.5	12.7	*	9.1	16.4	*
Prostatectomy	148	2.0	1.3	1.6	4.7	2.9	2.4	6.1	4.6	2.6
Cholecystectomy	70	7.1	3.0	3.5	10.0	5.5	4.4	11.4	7.3	4.7
Hysterectomy	36	0.0	1.4	*	2.8	2.6	*	2.8	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,084	8.2	8.5	0.6	12.7	13.0	0.9	15.9	16.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	107	18.7	26.1	7.7	22.4	29.8	7.2	26.2	33.2	5.8
Congestive Heart Failure	189	9.5	16.5	4.8	20.1	24.9	4.4	28.0	31.7	4.0
Pneumonia/Influenza	136	22.1	18.4	4.1	27.2	24.5	4.1	33.1	29.5	4.8
Chronic Obstructive Pulmonary Disease	42	16.7	10.1	*	16.7	16.5	*	19.0	21.3	*
Transient Cerebral Ischemia	70	0.0	2.3	2.6	2.9	5.1	3.7	5.7	8.1	4.6
Stroke	147	22.4	24.0	4.2	29.9	31.0	3.9	34.0	35.5	4.4
Hip Fracture	95	6.3	7.5	4.0	12.6	13.5	4.1	18.9	17.2	4.1
Sepsis	37	13.5	29.5	*	24.3	38.2	*	29.7	44.3	*
PROCEDURES:										
Angioplasty	28	7.1	3.5	*	7.1	4.2	*	7.1	5.2	*
Coronary Artery Bypass Graft	88	6.8	6.4	2.6	9.1	8.5	3.2	11.4	9.7	3.8
Initial Pacemaker Insertion	33	3.0	3.8	*	3.0	7.3	*	6.1	10.2	*
Carotid Endarterectomy	26	0.0	1.4	*	3.8	2.6	*	11.5	3.8	*
Hip Replacement/Reconstruction	67	3.0	4.1	2.8	4.5	7.7	4.4	4.5	10.2	5.4
Open Reduction of Hip Fracture	30	6.7	6.7	*	20.0	12.5	*	26.7	16.2	*
Prostatectomy	162	0.6	1.1	1.0	2.5	2.7	1.3	2.5	4.4	2.3
Cholecystectomy	79	3.8	3.6	2.6	5.1	6.1	2.8	8.9	7.7	3.1
Hysterectomy	29	3.4	1.3	*	3.4	2.8	*	6.9	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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MVH 1890-1990 Miami Valley Hospital

Office of the President
One Wyoming Street
Dayton, Ohio 45409-2793

Telephone: 513-223-6192

January 9, 1990

Mrs. Sandra K. Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Miami Valley Hospital, Dayton, Ohio, has reviewed the mortality statistics and other data provided in the Health Care Financing Administration report of December 6, 1990. We find the data substantially in agreement with ours.

In keeping with the guidelines that permit us to add to the Federal Register's mortality statistics a separate statement on Miami Valley Hospital, we request the following be inserted:

Miami Valley Hospital, Dayton, Ohio, the healthcare leader in the Greater Miami Valley Region, is committed to providing the highest quality patient care and service. As one of the nation's 100 largest hospitals, Miami Valley Hospital offers a complete range of services, including regional referral programs for high-risk maternity, emergency and trauma with air ambulance service, adult burn care, cancer treatment and research, physical medicine and rehabilitation and kidney dialysis.

Thank you.

Very truly yours,

Thomas G. Breitenbach
President and
Chief Executive Officer

/kjk

MIDDLETOWN HOSPITAL ASSOCIATION

105 McKnight Drive
Middletown, OH 45042

Medicare Provider Number: 360076

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,270	10.4	8.6	0.9	15.2	12.9	1.1	18.9	16.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	64	46.9	28.3	9.4	51.6	31.3	9.3	53.1	34.7	8.9
Congestive Heart Failure	121	17.4	14.9	4.6	31.4	23.3	7.2	36.4	30.2	6.8
Pneumonia/Influenza	119	12.6	14.7	4.0	18.5	20.2	3.8	27.7	24.7	4.5
Chronic Obstructive Pulmonary Disease	35	5.7	5.7	*	11.4	10.5	*	11.4	15.1	*
Transient Cerebral Ischemia	30	0.0	1.8	*	0.0	3.9	*	10.0	6.2	*
Stroke	92	20.7	19.0	4.4	29.3	25.3	5.8	32.6	29.7	6.5
Hip Fracture	68	7.4	5.7	4.6	14.7	10.3	6.2	16.2	13.5	5.7
Sepsis	33	30.3	28.7	*	36.4	35.2	*	39.4	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	2.5	*	0.0	4.8	*	18.8	7.1	*
Carotid Endarterectomy	9	22.2	1.1	*	22.2	2.0	*	22.2	3.0	*
Hip Replacement/Reconstruction	52	5.8	2.3	3.0	9.6	4.4	4.8	11.5	5.9	5.8
Open Reduction of Hip Fracture	8	0.0	4.6	*	12.5	8.9	*	12.5	11.9	*
Prostatectomy	62	1.6	0.8	1.5	1.6	1.9	2.9	3.2	3.1	3.3
Cholecystectomy	48	2.1	2.5	*	4.2	4.0	*	6.3	5.0	*
Hysterectomy	13	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 300
Occupancy Rate 58
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 110
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 0
Registered Nurses 271
Licensed Practical Nurses 25

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MIDDLETOWN HOSPITAL ASSOCIATION

Medicare Provider Number: 360076

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,379	10.1	9.1	0.8	15.4	13.6	1.1	19.0	17.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	75	37.3	30.6	6.5	41.3	33.8	7.0	45.3	37.4	8.0
Congestive Heart Failure	144	20.8	16.2	5.0	25.0	24.6	3.9	32.6	31.4	4.0
Pneumonia/Influenza	109	22.0	16.7	4.5	31.2	23.0	6.6	35.8	27.9	5.7
Chronic Obstructive Pulmonary Disease	31	9.7	6.8	*	19.4	12.9	*	25.8	18.2	*
Transient Cerebral Ischemia	30	0.0	1.5	*	3.3	3.1	*	10.0	4.8	*
Stroke	83	25.3	24.0	5.1	31.3	30.5	5.4	36.1	35.2	5.4
Hip Fracture	84	3.6	5.9	3.9	9.5	10.9	4.8	14.3	14.2	3.8
Sepsis	28	17.9	27.1	*	28.6	33.8	*	32.1	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	12.2	*	0.0	15.2	*	0.0	18.2	*
Carotid Endarterectomy	19	5.3	1.4	*	5.3	2.5	*	10.5	3.7	*
Hip Replacement/Reconstruction	57	5.3	4.5	3.4	8.8	8.4	4.2	12.3	10.9	5.9
Open Reduction of Hip Fracture	22	9.1	4.2	*	13.6	8.3	*	13.6	11.2	*
Prostatectomy	67	0.0	1.0	2.7	4.5	2.5	2.7	4.5	4.1	3.0
Cholecystectomy	53	3.8	3.4	3.3	9.4	6.3	4.5	15.1	8.1	6.2
Hysterectomy	19	5.3	2.0	*	5.3	3.1	*	5.3	4.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,355	9.5	9.0	1.0	14.9	13.4	1.1	18.3	17.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	78	38.5	32.5	6.0	38.5	35.8	5.5	41.0	39.3	5.6
Congestive Heart Failure	146	17.1	16.8	3.4	26.0	25.1	3.9	35.6	31.9	5.0
Pneumonia/Influenza	113	23.9	17.3	5.1	36.3	23.2	6.6	40.7	28.0	6.9
Chronic Obstructive Pulmonary Disease	41	4.9	6.8	*	9.8	11.6	*	9.8	15.6	*
Transient Cerebral Ischemia	49	0.0	2.0	*	2.0	4.3	*	4.1	6.9	*
Stroke	81	23.5	22.6	6.8	37.0	28.9	9.1	39.5	33.7	8.7
Hip Fracture	70	8.6	6.5	4.1	12.9	11.8	5.3	15.7	15.4	7.3
Sepsis	26	42.3	33.0	*	50.0	39.6	*	57.7	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	8.7	4.8	*	8.7	8.2	*	8.7	11.1	*
Carotid Endarterectomy	16	0.0	1.3	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction	45	4.4	2.9	*	4.4	5.4	*	4.4	7.2	*
Open Reduction of Hip Fracture	26	11.5	7.4	*	19.2	14.2	*	23.1	18.7	*
Prostatectomy	83	2.4	1.2	1.3	9.6	2.8	3.6	12.0	4.5	3.3
Cholecystectomy	60	10.0	3.8	4.0	13.3	6.8	5.1	20.0	8.7	5.4
Hysterectomy	22	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Middletown Regional Hospital
Middletown, Ohio
Provider #360076
Interpretive Remarks and Corrected Data
1990 HCFA Mortality Data: Patients admitted from 10/88 to 9/89

This is the fourth year the Health Care Financing Administration that oversees the Medicare program has published mortality data for hospitals. While the model used to calculate the data has changed each year, there are trends that can be seen for Middletown Regional Hospital.

1. All four years, Middletown Regional Hospital's mortality rates have been within "predicted" or expected ranges (using the original format developed by HCFA and used continually until this year).

2. The overall mortality rate for Medicare patients at Middletown Regional Hospital has been constant over the four years - ranging between 9.5 to 10.5%. Again, this is well within the ranges "predicted" by the original HCFA statistical models.

   (These percents, from the most recent HCFA data, include all Medicare patients who die within 30 days of admission to the hospital, even though a large percent of those patients had been discharged from the hospital and were in a nursing home, at home, under Hospice care, or were at another hospital).

3. All four years, MRH's mortality rate for specific disease categories has been within predicted levels.

Correcting the Most Recent (1989) Data

Middletown Regional Hospital carefully reviewed the charts of Medicare patients who died in 1989. Errors in the original 1989 data supplied by HCFA were corrected. The corrected data are published below. For convenience to readers, we have included the "predicted" (expected) ranges Medicare has used in the past. This will enable the public to make comparisons on a year by year basis.

Additional Interpretive Data

1. HCFA administrators have consistently said the mortality data cannot be used to compare hospitals or as a measure of quality. This is because the data do not truly account for severity of illness and have other significant limitations.

A recent study conducted by the Rand Corporation and funded by HCFA concluded statistical random variation and severity of a patient's condition explained differences in hospital death rates while quality measures didn't account for variation in mortality.

2. This year, Medicare included in the hospital's mortality rates patients who died up to 180 days <u>after discharge from the hospital</u>. Over 40% of the patients included in Middletown Regional Hospital's mortality rates did not die at MRH, but were in a nursing home, associated with Hospice, or receiving some other form of care.

3. MRH patients included in the HCFA data were severely ill. Approximately 92% had co-morbid conditions; they had other illnesses that contributed to their death (for example, a patient with cancer also suffering heart failure). Over 33% had two co-morbid conditions; 18% had three or more co-morbid conditions.

3. As an example of severity of illness and complicating factors, 76% of patients with heart conditions were over age 70 and 51.5% were over age 80. These patients in 1989 were much more ill than in the past. The average "acuity score" (a measure of severity of illness) in our Coronary Care Unit increased from 2.20 in 1987 to 2.60 in 1989. (This is a very significant increase - the "average" hospital patient's score is 1.0.)

4. Over 70% of patients who died were so ill when they entered the hospital, they or their families had requested, in writing, that the hospital not use "heroic measures" to save them. For example, they had requested the hospital not use "extraordinary technology" to resuscitate them or "artificially" keep them alive.

5. As another example of the effects of severity of illness, two Medicare patients died within 180 days after a carotid endarterectomy at MRH (surgery on the artery that leads to the brain). Both patients were so ill their families had requested no extraordinary measures be taken. One of the patients had 2 significant co-morbid conditions; the other had 3 such conditions.

6. Middletown Regional Hospital is recognized for its extremely thorough and two-tiered quality assurance program that oversees quality of care and provides mortality data on an on-going basis. The overall mortality rate for patients of all ages (not just those on Medicare) has remained at 2.6 to 2.9% for several years.

MIDDLETOWN REGIONAL HOSPITAL
1989 Corrected Data for Selected Categories

Diagnostic Category	Cases	Actual Mortality Rate (corrected)	Range of Predicted Mort. Rates
1. ALL CAUSES	2270	10.2%	6.8-10.4%
2. Acute Myocardial Infarction	64	43.7%	9.5-47.1%
3. Congestive Heart Failure	121	17.4%	5.7-24.1%
4. Pneumonia/ Influenza	119	12.6%	6.7-22.7%
5. COPD	35	5.7%	*
6. TIA	30	0%	*
7. Stroke	92	20.7%	11.1-27.8
8. Hip Fracture	68	7.4	0-14.9
9. Sepsis	33	30.3	*
10. Hip Replacement	52	5.8%	0-8.3%
11. Prostatectomy	62	1.6%	0-3.8

* = sample size too small to permit estimation of predicted range

MOLLY STARK HOSPITAL

7900 Columbus Road Northeast
Louisville, OH 44641

Medicare Provider Number: 360240

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	19	0.0	0.4	*	0.0	1.0	*	0.0	1.8	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 148
Occupancy Rate 71
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 4
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 19
Licensed Practical Nurses 40

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MOLLY STARK HOSPITAL

Medicare Provider Number: 360240

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MORROW COUNTY HOSPITAL

651 W Marion Rd
Mount Gilead, OH 43338

Medicare Provider Number: 360108

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	260	11.5	10.3	2.1	17.7	15.0	3.3	19.2	18.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	26.3	*	25.0	29.2	*	25.0	32.5	*
Congestive Heart Failure	27	7.4	15.5	*	25.9	24.4	*	25.9	31.7	*
Pneumonia/Influenza	27	14.8	15.1	*	14.8	20.3	*	14.8	24.5	*
Chronic Obstructive Pulmonary Disease	4	25.0	8.4	*	25.0	13.3	*	25.0	17.8	*
Transient Cerebral Ischemia	5	0.0	1.9	*	20.0	4.3	*	20.0	6.9	*
Stroke	11	27.3	16.5	*	36.4	22.9	*	45.5	27.0	*
Hip Fracture	8	25.0	6.0	*	25.0	10.6	*	25.0	13.7	*
Sepsis	5	0.0	31.8	*	0.0	35.9	*	0.0	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.9	*	0.0	7.8	*	0.0	10.6	*
Open Reduction of Hip Fracture	3	33.3	8.2	*	33.3	14.7	*	33.3	18.7	*
Prostatectomy	10	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*
Cholecystectomy	7	0.0	1.2	*	0.0	1.8	*	0.0	2.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	62
Occupancy Rate	45
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	13
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	0
Registered Nurses	25
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MORROW COUNTY HOSPITAL

Medicare Provider Number: 360108

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	295	11.9	11.6	2.1	19.7	16.9	2.9	24.1	21.1	3.5
CONDITIONS:										
Acute Myocardial Infarction	14	50.0	33.6	*	64.3	37.6	*	64.3	41.3	*
Congestive Heart Failure	31	12.9	13.9	*	29.0	21.2	*	32.3	27.5	*
Pneumonia/Influenza	37	29.7	17.3	*	37.8	23.6	*	37.8	28.4	*
Chronic Obstructive Pulmonary Disease	2	50.0	6.3	*	50.0	10.3	*	50.0	14.0	*
Transient Cerebral Ischemia	1	0.0	0.9	*	0.0	1.9	*	0.0	2.9	*
Stroke	10	20.0	18.5	*	30.0	24.5	*	30.0	28.9	*
Hip Fracture	6	0.0	5.7	*	0.0	10.7	*	16.7	14.0	*
Sepsis	3	0.0	36.5	*	33.3	41.4	*	66.7	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.3	*	0.0	8.2	*	33.3	10.6	*
Open Reduction of Hip Fracture	1	0.0	5.9	*	0.0	12.8	*	0.0	18.1	*
Prostatectomy	5	0.0	1.5	*	0.0	3.9	*	20.0	6.8	*
Cholecystectomy	9	0.0	2.6	*	0.0	4.7	*	0.0	6.1	*
Hysterectomy	2	0.0	1.5	*	0.0	3.5	*	0.0	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	304	12.8	11.2	2.9	18.1	16.2	3.1	22.4	20.2	3.5
CONDITIONS:										
Acute Myocardial Infarction	13	46.2	30.2	*	46.2	34.3	*	53.8	37.9	*
Congestive Heart Failure	27	22.2	16.8	*	25.9	25.6	*	37.0	32.9	*
Pneumonia/Influenza	37	16.2	19.1	*	24.3	25.3	*	32.4	30.0	*
Chronic Obstructive Pulmonary Disease	1	0.0	13.9	*	0.0	23.4	*	0.0	30.0	*
Transient Cerebral Ischemia	6	0.0	1.7	*	16.7	3.8	*	16.7	6.2	*
Stroke	14	28.6	22.5	*	35.7	29.6	*	42.9	34.7	*
Hip Fracture	10	10.0	5.3	*	10.0	9.7	*	10.0	12.5	*
Sepsis	3	33.3	38.0	*	33.3	45.9	*	33.3	53.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.5	*	0.0	8.8	*	0.0	11.6	*
Open Reduction of Hip Fracture	4	0.0	4.2	*	0.0	7.9	*	0.0	10.5	*
Prostatectomy	12	0.0	1.2	*	0.0	2.9	*	0.0	4.8	*
Cholecystectomy	9	0.0	1.3	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy	2	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MT CARMEL HEALTH CENTER

793 W State St
Columbus, OH 43222

Medicare Provider Number: 360035

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,369	9.1	8.5	0.4	14.0	13.0	0.7	16.9	16.5	0.6
CONDITIONS:										
Acute Myocardial Infarction	229	25.8	27.0	3.8	30.6	30.3	4.3	32.3	33.7	4.0
Congestive Heart Failure	406	19.5	14.6	2.5	29.6	22.5	3.3	36.2	29.1	3.3
Pneumonia/Influenza	283	15.9	15.8	3.1	23.0	21.5	2.8	25.1	26.1	2.8
Chronic Obstructive Pulmonary Disease	107	10.3	8.3	4.0	15.0	13.9	3.6	17.8	18.7	3.9
Transient Cerebral Ischemia	129	3.1	1.7	2.1	5.4	3.7	2.1	6.2	5.8	2.1
Stroke	263	15.6	21.4	4.0	22.4	27.6	4.1	25.5	32.0	4.8
Hip Fracture	183	5.5	6.5	3.4	12.6	11.5	2.7	14.8	15.0	2.7
Sepsis	85	29.4	26.4	7.1	38.8	34.7	6.3	41.2	40.5	5.4
PROCEDURES:										
Angioplasty	145	4.8	3.1	1.9	5.5	4.0	2.5	8.3	5.0	3.5
Coronary Artery Bypass Graft	81	12.3	4.9	4.4	14.8	6.9	4.6	16.0	8.3	4.8
Initial Pacemaker Insertion	74	13.5	3.4	3.7	18.9	6.5	4.5	20.3	9.4	5.0
Carotid Endarterectomy	64	0.0	1.5	2.1	1.6	3.0	2.8	3.1	4.4	3.1
Hip Replacement/Reconstruction	138	2.2	3.1	2.1	6.5	5.8	2.6	9.4	7.8	3.2
Open Reduction of Hip Fracture	71	4.2	6.1	3.2	9.9	11.4	5.4	9.9	15.0	6.4
Prostatectomy	301	0.7	0.8	0.6	1.7	1.9	0.8	2.7	3.2	1.2
Cholecystectomy	141	2.8	2.8	1.4	6.4	5.0	2.2	6.4	6.7	2.2
Hysterectomy	70	1.4	0.7	1.2	1.4	1.4	1.5	1.4	2.2	2.0

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 786
Occupancy Rate 73
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 515
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 90
Registered Nurses 693
Licensed Practical Nurses 15

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

MT CARMEL HEALTH CENTER

Medicare Provider Number: 360035

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,186	9.9	9.1	0.4	15.2	13.7	0.6	18.9	17.3	0.6
CONDITIONS:										
Acute Myocardial Infarction	277	29.2	27.0	5.1	32.9	29.9	5.5	36.5	33.3	5.4
Congestive Heart Failure	349	20.6	15.8	3.1	30.9	24.3	3.9	36.7	31.3	3.6
Pneumonia/Influenza	223	18.4	17.2	2.8	23.3	23.3	2.9	26.9	28.0	3.3
Chronic Obstructive Pulmonary Disease	98	12.2	8.3	5.8	22.4	14.0	6.0	25.5	18.8	6.1
Transient Cerebral Ischemia	131	2.3	1.9	1.8	5.3	4.0	2.2	6.1	6.2	2.1
Stroke	256	20.7	21.6	2.7	28.1	27.8	3.2	31.3	32.3	3.0
Hip Fracture	186	4.8	6.2	2.1	8.1	11.1	3.6	12.4	14.3	3.1
Sepsis	96	22.9	28.5	9.3	32.3	36.9	8.9	40.6	43.0	5.9
PROCEDURES:										
Angioplasty	175	4.6	4.1	1.6	5.1	5.1	1.7	6.3	6.2	1.8
Coronary Artery Bypass Graft	93	12.9	5.4	3.5	14.0	7.0	3.6	14.0	8.2	3.7
Initial Pacemaker Insertion	57	8.8	6.2	3.9	17.5	9.9	5.3	22.8	13.1	7.3
Carotid Endarterectomy	48	2.1	1.4	*	2.1	2.6	*	2.1	3.8	*
Hip Replacement/Reconstruction	115	1.7	3.1	2.0	4.3	5.9	2.5	7.8	7.9	2.7
Open Reduction of Hip Fracture	64	4.7	5.0	2.9	4.7	9.3	6.2	7.8	12.1	7.5
Prostatectomy	281	2.1	0.9	1.2	4.3	2.2	2.0	4.6	3.5	1.9
Cholecystectomy	136	2.9	3.4	1.7	5.9	5.9	2.2	9.6	7.4	3.2
Hysterectomy	52	0.0	0.6	1.4	0.0	1.5	2.6	1.9	2.4	2.7

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,790	10.0	9.1	0.5	15.2	13.6	0.8	18.7	17.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	270	31.9	28.1	3.5	38.1	31.0	3.9	42.2	34.2	4.4
Congestive Heart Failure	355	17.7	15.4	2.6	27.9	23.3	4.0	33.5	30.0	3.4
Pneumonia/Influenza	205	18.5	15.9	3.1	25.9	21.8	3.7	32.2	26.4	4.7
Chronic Obstructive Pulmonary Disease	88	13.6	9.8	4.0	22.7	16.9	6.7	30.7	22.6	7.8
Transient Cerebral Ischemia	118	4.2	2.0	1.5	4.2	4.2	2.0	5.9	6.4	2.3
Stroke	260	21.9	20.5	3.5	28.8	27.0	3.3	32.7	31.4	4.0
Hip Fracture	185	4.9	5.7	2.9	9.2	10.6	2.8	13.0	13.9	2.7
Sepsis	98	27.6	31.1	6.5	40.8	39.9	6.0	45.9	46.5	5.1
PROCEDURES:										
Angioplasty	109	7.3	4.4	2.4	9.2	5.4	3.0	12.8	6.5	3.9
Coronary Artery Bypass Graft	111	16.2	5.7	3.2	24.3	7.6	4.7	25.2	8.7	4.5
Initial Pacemaker Insertion	80	1.2	4.5	3.8	2.5	8.3	5.9	6.3	11.5	5.6
Carotid Endarterectomy	49	8.2	1.7	*	10.2	3.3	*	12.2	4.7	*
Hip Replacement/Reconstruction	108	3.7	3.0	3.4	7.4	5.7	3.5	9.3	7.6	3.6
Open Reduction of Hip Fracture	49	10.2	5.5	*	12.2	10.5	*	14.3	14.0	*
Prostatectomy	306	1.0	0.8	0.8	3.6	2.0	1.3	3.9	3.3	1.1
Cholecystectomy	123	3.3	3.3	1.7	6.5	6.0	2.3	9.8	7.8	3.1
Hysterectomy	57	1.8	1.1	1.8	3.5	2.5	2.3	5.3	3.8	2.8

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**



Mount Carmel Health is deeply committed to providing the highest quality health care and appreciates HCFA's intent to enhance our ability to do so through its focus on random hospitalizations. Mount Carmel Health believes that HCFA's communication of mortality information can serve to focus a hospital's attention on specific elements of its quality management processes. Although the data does not constitute definitive quality indicators, it does suggest areas of inquiry.

Accordingly, Mount Carmel Health shall integrate this information into its quality programs. These include the introduction of total quality management (TQM) concepts within the organization, the development of standards of care protocols, the definition of meaningful patient satisfaction and functionality determinants, and the ongoing, continuous review of all cases and hospitalizations. These initiatives shall continue unabated. To the extent that HCFA's randomly selected data makes a limited contribution to this comprehensive program, it is welcome.

Unfortunately, however, Mount Carmel Health believes that the reliability of the HCFA mortality data as a predictive indicator of anticipated mortality is severely circumscribed by the following factors:

1. Patient characteristics utilized in determining predictive mortality rates are derived from billing and retirement status records which do not indicate severity of illness or health risk stratification.

2. HCFA's analytical categorization is based on ICD-9-CM coding, which was not designed, is not intended, and is not considered to be an adequate mechanism to identify severity or to stratify health risks.

3. Not only does the health care industry not utilize the ICD-9-CM code as a severity indicator, it in fact has found such codes to be insufficient to describe diagnostic and therapeutic interventions and is in the process of developing an ICD-10 code to correct such deficiencies.

4. The mortality predictions do not take into account regional or institutional variations in patient selection for the specific procedures reviewed.

5. The mortality predictions also do not take into account deaths of Medicare beneficiaries subsequent to hospitalization by which were caused by circumstances totally extraneous to such hospitalization.

6. The simplifications and the approximations which HCFA acknowledges to exist in its estimation of standard deviations, and the exclusion by HCFA of any variance of the estimate of the predicted probability of death in determining such standard deviations, render such determinations of questionable utility.

7. The hospitalizations under consideration occurred between 18 months and 30 months ago, and thus do not reflect present clinical practice.

Robert J. Nolan

Robert J. Nolan, Interim Executive Vice President
Mount Carmel Medical Center

MT SINAI MEDICAL CENTER

University Circle
Cleveland, OH 44106

Medicare Provider Number: 360075

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,304	6.4	8.5	0.7	11.3	13.6	0.8	15.0	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	72	19.4	28.8	8.7	26.4	32.3	8.7	26.4	35.6	8.8
Congestive Heart Failure	181	9.4	16.5	3.9	17.7	25.5	4.7	24.9	32.6	5.4
Pneumonia/Influenza	89	13.5	18.2	6.1	21.3	24.8	4.9	22.5	29.8	6.4
Chronic Obstructive Pulmonary Disease	40	10.0	13.1	*	17.5	21.8	*	30.0	28.3	*
Transient Cerebral Ischemia	32	0.0	1.8	*	0.0	4.0	*	3.1	6.5	*
Stroke	110	10.0	19.7	6.0	18.2	26.9	6.4	22.7	31.3	6.4
Hip Fracture	63	4.8	7.2	4.1	11.1	12.7	4.5	17.5	16.2	4.9
Sepsis	25	36.0	33.4	*	40.0	43.5	*	48.0	50.6	*
PROCEDURES:										
Angioplasty	13	0.0	3.0	*	0.0	4.0	*	0.0	4.9	*
Coronary Artery Bypass Graft	66	9.1	6.6	3.8	12.1	9.7	4.2	12.1	11.5	4.0
Initial Pacemaker Insertion	19	5.3	3.9	*	10.5	7.1	*	15.8	9.8	*
Carotid Endarterectomy	1	0.0	1.7	*	0.0	3.4	*	0.0	5.2	*
Hip Replacement/Reconstruction	43	2.3	3.5	*	11.6	6.8	*	14.0	9.4	*
Open Reduction of Hip Fracture	27	3.7	6.1	*	7.4	11.2	*	11.1	14.5	*
Prostatectomy	118	0.8	0.9	1.5	3.4	2.2	2.2	5.1	3.8	2.9
Cholecystectomy	39	0.0	2.7	*	0.0	5.2	*	2.6	7.2	*
Hysterectomy	17	0.0	1.2	*	5.9	2.7	*	5.9	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	450
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	480
Percent of Physicians Board Certified Specialists	99
Medical Residents/Interns	123
Registered Nurses	413
Licensed Practical Nurses	70

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MT SINAI MEDICAL CENTER

Medicare Provider Number: 360075

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,509	7.2	9.6	0.6	11.9	14.9	0.7	15.6	19.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	83	18.1	28.3	6.4	20.5	32.2	6.9	21.7	35.7	7.7
Congestive Heart Failure	161	11.8	17.9	4.1	18.6	27.3	5.0	24.2	34.7	5.7
Pneumonia/Influenza	105	15.2	20.3	4.9	23.8	27.3	5.0	25.7	32.5	6.2
Chronic Obstructive Pulmonary Disease	52	5.8	13.7	7.7	19.2	21.6	9.0	23.1	27.8	6.9
Transient Cerebral Ischemia	40	2.5	2.3	*	5.0	5.1	*	5.0	8.2	*
Stroke	134	9.0	20.6	4.9	14.9	27.6	5.3	18.7	32.3	5.7
Hip Fracture	53	7.5	8.4	4.5	15.1	15.1	5.3	20.8	19.3	5.6
Sepsis	22	59.1	37.5	*	68.2	47.4	*	72.7	53.8	*
PROCEDURES:										
Angioplasty	16	0.0	3.0	*	0.0	4.0	*	0.0	5.2	*
Coronary Artery Bypass Graft	93	11.8	8.5	4.0	16.1	12.4	4.7	16.1	14.6	4.5
Initial Pacemaker Insertion	18	0.0	4.2	*	0.0	8.2	*	5.6	11.4	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	29	3.4	4.7	*	10.3	8.7	*	13.8	11.3	*
Open Reduction of Hip Fracture	13	15.4	9.5	*	15.4	17.4	*	15.4	22.0	*
Prostatectomy	106	0.0	1.3	1.6	0.9	3.2	2.8	3.8	5.2	3.4
Cholecystectomy	29	3.4	4.5	*	6.9	8.7	*	10.3	11.5	*
Hysterectomy	20	0.0	0.6	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,476	7.1	10.4	0.6	12.3	15.7	0.7	16.4	19.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	88	17.0	35.7	7.1	26.1	39.5	6.4	30.7	43.5	6.5
Congestive Heart Failure	149	8.7	19.1	4.3	20.8	28.1	4.6	24.2	35.1	4.9
Pneumonia/Influenza	110	11.8	21.7	5.8	20.9	28.7	5.7	25.5	34.0	5.7
Chronic Obstructive Pulmonary Disease	64	12.5	13.1	4.3	18.8	21.1	5.9	20.3	26.9	8.4
Transient Cerebral Ischemia	27	3.7	2.5	*	3.7	5.6	*	3.7	9.1	*
Stroke	128	10.9	22.1	4.7	18.8	29.1	4.8	21.9	33.8	5.2
Hip Fracture	66	1.5	7.8	5.3	9.1	13.5	6.2	12.1	17.2	6.1
Sepsis	24	50.0	37.9	*	54.2	47.1	*	58.3	53.7	*
PROCEDURES:										
Angioplasty	17	5.9	2.7	*	5.9	3.8	*	5.9	5.1	*
Coronary Artery Bypass Graft	73	6.8	6.2	3.4	11.0	8.5	4.5	11.0	9.8	5.0
Initial Pacemaker Insertion	21	4.8	3.4	*	9.5	7.0	*	9.5	10.5	*
Carotid Endarterectomy	6	16.7	1.5	*	16.7	3.0	*	33.3	4.4	*
Hip Replacement/Reconstruction	42	0.0	4.2	*	0.0	7.6	*	2.4	9.9	*
Open Reduction of Hip Fracture	29	3.4	7.6	*	17.2	14.1	*	20.7	18.3	*
Prostatectomy	105	0.0	1.2	1.3	0.0	2.9	2.3	1.9	4.8	2.7
Cholecystectomy	38	0.0	3.6	*	5.3	6.4	*	7.9	8.4	*
Hysterectomy	22	0.0	0.7	*	4.5	1.5	*	4.5	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTHEASTERN OHIO GENERAL HOSPITAL

2041 Hubbard Road
Madison, OH 44057

Medicare Provider Number: 360171

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	51	15.7	9.5	6.3	15.7	14.8	6.4	15.7	18.5	8.4
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	100.0	22.6	*	100.0	32.8	*	100.0	40.6	*
Pneumonia/Influenza	5	20.0	13.6	*	20.0	18.7	*	20.0	22.9	*
Chronic Obstructive Pulmonary Disease	1	0.0	40.1	*	0.0	72.8	*	0.0	88.5	*
Transient Cerebral Ischemia	2	0.0	2.2	*	0.0	4.8	*	0.0	7.7	*
Stroke	3	66.7	19.1	*	66.7	29.1	*	66.7	35.2	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*
Cholecystectomy	2	0.0	1.0	*	0.0	1.6	*	0.0	2.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1985

Total Beds 76
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 42
Licensed Practical Nurses 15

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

NORTHEASTERN OHIO GENERAL HOSPITAL

Medicare Provider Number: 360171

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	422	7.1	9.7	2.2	11.4	14.5	2.9	15.4	18.4	3.0
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	32.7	*	30.8	36.7	*	38.5	40.5	*
Congestive Heart Failure	35	8.6	15.5	*	25.7	23.6	*	31.4	30.4	*
Pneumonia/Influenza	36	11.1	16.9	*	19.4	22.7	*	22.2	27.4	*
Chronic Obstructive Pulmonary Disease	8	0.0	5.5	*	0.0	9.4	*	12.5	12.7	*
Transient Cerebral Ischemia	9	0.0	2.4	*	0.0	5.4	*	0.0	8.5	*
Stroke	12	33.3	24.5	*	33.3	32.3	*	33.3	37.2	*
Hip Fracture	13	7.7	9.8	*	7.7	17.1	*	7.7	21.3	*
Sepsis	5	0.0	23.0	*	20.0	32.9	*	20.0	40.1	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	10.4	*	0.0	15.9	*	0.0	20.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.5	*	0.0	12.7	*	0.0	16.8	*
Open Reduction of Hip Fracture	4	25.0	11.5	*	25.0	19.9	*	25.0	24.3	*
Prostatectomy	5	0.0	1.6	*	0.0	4.3	*	20.0	7.7	*
Cholecystectomy	8	0.0	5.1	*	12.5	8.2	*	25.0	9.4	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	458	9.0	10.1	1.8	14.0	15.1	2.5	17.2	18.9	2.5
CONDITIONS:										
Acute Myocardial Infarction	16	6.3	27.5	*	25.0	31.4	*	31.3	35.3	*
Congestive Heart Failure	44	18.2	15.7	*	27.3	23.7	*	34.1	30.3	*
Pneumonia/Influenza	50	12.0	17.9	*	14.0	23.9	*	16.0	28.8	*
Chronic Obstructive Pulmonary Disease	5	0.0	9.4	*	20.0	15.3	*	20.0	19.8	*
Transient Cerebral Ischemia	15	0.0	1.7	*	0.0	3.6	*	0.0	5.5	*
Stroke	12	25.0	23.6	*	33.3	31.6	*	33.3	36.4	*
Hip Fracture	9	22.2	7.6	*	22.2	12.9	*	22.2	16.3	*
Sepsis	6	33.3	23.8	*	33.3	31.1	*	33.3	36.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	5.3	*	0.0	10.4	*	0.0	15.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	4.4	*	16.7	7.3	*	16.7	9.0	*
Open Reduction of Hip Fracture	4	25.0	6.2	*	25.0	10.9	*	25.0	13.9	*
Prostatectomy	9	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	9	11.1	3.4	*	11.1	4.9	*	11.1	5.8	*
Hysterectomy	1	0.0	2.7	*	0.0	4.4	*	0.0	6.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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The Northeastern Ohio General Hospital

December 14, 1990

Department of Health & Human Services
Health Care Financing Administration
Att: Sandra Kappert
Rm. 2-D-2 Meadows East Bldg.
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Ms. Kappert:

RE: Medicare Provider Number 360171

I read with interest the presented hospital mortality information. I would like to make the following comments and hope you will consider them prior to your publication of any data. First, Northeastern Ohio General Hospital closed on November 30, 1988, it was not possible for them to be staffed on September 30, 1989 as reported on enclosure C. Secondly, since the hospital closed on November 30, 1988 there was no opportunity for any patients who had been discharged from the institution to be readmitted after that date. Of the seventeen (17) deaths listed, nine of them occurred after hospital closure. Although outcomes may have been the same, I believe that this information may have the possibility of altering the statisical reliability of mortality data associated with Northeastern Ohio General Hospital. In any event it would appear that at least an asterisk should be included with our data. Thank you

Yours very truly,

Susan Mallone MPA

Susan Mallone, MPA
Acting Administrator, Trustee's Staff

O BLENESS MEMORIAL HOSPITAL

Hospital Drive
Athens, OH 45701

Medicare Provider Number: 360014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	640	12.2	10.3	1.5	16.9	15.2	1.7	19.1	19.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	36	38.9	27.1	*	44.4	30.9	*	44.4	34.5	*
Congestive Heart Failure	36	22.2	16.8	*	25.0	26.1	*	30.6	33.5	*
Pneumonia/Influenza	34	23.5	15.5	*	29.4	21.1	*	32.4	25.7	*
Chronic Obstructive Pulmonary Disease	8	12.5	10.9	*	12.5	15.9	*	12.5	20.2	*
Transient Cerebral Ischemia	13	7.7	2.0	*	15.4	4.5	*	15.4	7.3	*
Stroke	25	16.0	18.2	*	16.0	24.8	*	16.0	29.2	*
Hip Fracture	18	0.0	8.5	*	0.0	15.1	*	0.0	19.3	*
Sepsis	11	18.2	22.6	*	18.2	28.5	*	18.2	33.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.7	*	20.0	6.1	*	20.0	9.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	9.7	*	0.0	18.8	*	0.0	24.7	*
Open Reduction of Hip Fracture	10	0.0	6.2	*	0.0	11.2	*	0.0	14.3	*
Prostatectomy	30	0.0	0.7	*	6.7	1.6	*	6.7	2.6	*
Cholecystectomy	14	7.1	3.4	*	7.1	5.4	*	7.1	6.5	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 75
Occupancy Rate 56
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 48
Percent of Physicians Board Certified Specialists 75
Medical Residents/Interns 0
Registered Nurses 58
Licensed Practical Nurses 36

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

O BLENESS MEMORIAL HOSPITAL

Medicare Provider Number: 360014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	668	11.1	10.8	1.2	16.6	16.0	1.6	20.2	20.0	2.2
CONDITIONS:										
Acute Myocardial Infarction	30	30.0	25.2	*	30.0	27.9	*	33.3	30.9	*
Congestive Heart Failure	36	19.4	17.5	*	33.3	26.0	*	33.3	33.0	*
Pneumonia/Influenza	19	0.0	19.3	*	10.5	26.7	*	15.8	32.0	*
Chronic Obstructive Pulmonary Disease	18	5.6	9.5	*	11.1	15.3	*	22.2	20.0	*
Transient Cerebral Ischemia	7	0.0	2.4	*	0.0	5.3	*	14.3	8.4	*
Stroke	45	13.3	19.3	*	17.8	26.1	*	22.2	30.5	*
Hip Fracture	19	15.8	7.4	*	26.3	13.5	*	26.3	17.3	*
Sepsis	8	37.5	31.3	*	37.5	38.6	*	37.5	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.3	*	0.0	3.2	*	0.0	5.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	5.3	*	20.0	10.8	*	20.0	14.7	*
Open Reduction of Hip Fracture	10	30.0	6.6	*	40.0	12.5	*	40.0	16.4	*
Prostatectomy	26	3.8	0.9	*	7.7	2.2	*	11.5	3.6	*
Cholecystectomy	10	0.0	2.9	*	0.0	5.6	*	0.0	7.4	*
Hysterectomy	7	0.0	2.6	*	0.0	6.0	*	0.0	9.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	665	12.6	10.1	1.7	18.2	14.9	2.2	21.5	18.7	2.5
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	24.3	*	27.8	26.9	*	33.3	29.8	*
Congestive Heart Failure	39	17.9	17.3	*	30.8	25.7	*	38.5	32.6	*
Pneumonia/Influenza	27	18.5	15.1	*	29.6	20.4	*	29.6	24.9	*
Chronic Obstructive Pulmonary Disease	14	21.4	10.6	*	35.7	16.1	*	35.7	20.8	*
Transient Cerebral Ischemia	13	0.0	2.6	*	0.0	5.9	*	7.7	9.5	*
Stroke	24	33.3	25.0	*	41.7	31.7	*	41.7	36.1	*
Hip Fracture	23	8.7	5.6	*	8.7	10.1	*	8.7	13.1	*
Sepsis	4	25.0	21.9	*	25.0	33.0	*	25.0	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.9	*	33.3	8.3	*	33.3	13.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.9	*	0.0	9.0	*	0.0	11.7	*
Open Reduction of Hip Fracture	18	11.1	5.0	*	11.1	9.6	*	11.1	12.8	*
Prostatectomy	28	7.1	0.8	*	7.1	2.0	*	7.1	3.5	*
Cholecystectomy	13	0.0	2.8	*	0.0	4.5	*	7.7	5.4	*
Hysterectomy	5	0.0	0.5	*	0.0	1.0	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

OAK HILL COMMUNITY MEDICAL CENTER

350 Charlotte Ave
Oak Hill, OH 45656

Medicare Provider Number: 360050

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	314	15.0	14.3	2.3	20.1	19.7	2.3	23.9	24.1	2.6
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	35.7	*	34.6	39.2	*	34.6	42.9	*
Congestive Heart Failure	18	16.7	15.8	*	16.7	24.3	*	22.2	31.4	*
Pneumonia/Influenza	22	18.2	19.2	*	31.8	25.4	*	31.8	30.4	*
Chronic Obstructive Pulmonary Disease	8	0.0	6.8	*	0.0	11.8	*	0.0	16.1	*
Transient Cerebral Ischemia	6	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke	13	46.2	28.9	*	46.2	35.0	*	46.2	39.7	*
Hip Fracture	6	16.7	7.1	*	16.7	12.9	*	16.7	16.7	*
Sepsis	5	60.0	30.0	*	80.0	36.4	*	80.0	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.7	*	0.0	9.5	*	0.0	13.0	*
Open Reduction of Hip Fracture	5	20.0	6.6	*	20.0	12.4	*	20.0	16.2	*
Prostatectomy	3	0.0	1.9	*	0.0	4.2	*	33.3	6.5	*
Cholecystectomy	5	0.0	3.3	*	0.0	7.1	*	20.0	10.8	*
Hysterectomy	5	0.0	1.3	*	0.0	2.7	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 68
Occupancy Rate 54
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 6
Percent of Physicians Board Certified Specialists 33
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

OAK HILL COMMUNITY MEDICAL CENTER

Medicare Provider Number: 360050

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	335	11.6	12.2	2.1	14.3	17.1	2.6	17.9	21.1	3.1
CONDITIONS:										
Acute Myocardial Infarction	22	22.7	30.5	*	22.7	33.7	*	27.3	37.2	*
Congestive Heart Failure	24	25.0	14.0	*	37.5	21.3	*	37.5	27.6	*
Pneumonia/Influenza	28	21.4	19.4	*	21.4	25.3	*	25.0	30.0	*
Chronic Obstructive Pulmonary Disease	8	12.5	12.3	*	12.5	19.8	*	12.5	25.5	*
Transient Cerebral Ischemia	5	0.0	2.0	*	0.0	4.2	*	0.0	6.6	*
Stroke	14	14.3	22.7	*	21.4	28.1	*	28.6	32.6	*
Hip Fracture	6	0.0	10.8	*	0.0	18.7	*	16.7	23.0	*
Sepsis	9	22.2	25.9	*	33.3	32.1	*	33.3	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	52.9	*	100.0	69.3	*	100.0	75.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	10.7	*	0.0	19.0	*	0.0	23.4	*
Open Reduction of Hip Fracture	3	0.0	9.0	*	0.0	16.6	*	33.3	21.0	*
Prostatectomy	5	0.0	3.3	*	0.0	8.4	*	20.0	14.4	*
Cholecystectomy	8	12.5	3.1	*	12.5	5.2	*	12.5	6.4	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	361	10.5	11.1	1.7	16.1	15.8	2.0	20.5	19.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	35.2	*	46.2	39.4	*	46.2	43.8	*
Congestive Heart Failure	15	6.7	16.9	*	6.7	25.0	*	20.0	31.5	*
Pneumonia/Influenza	27	18.5	21.7	*	29.6	28.6	*	37.0	34.0	*
Chronic Obstructive Pulmonary Disease	12	8.3	8.9	*	16.7	14.8	*	16.7	19.7	*
Transient Cerebral Ischemia	5	20.0	1.9	*	20.0	3.9	*	20.0	6.2	*
Stroke	14	35.7	34.4	*	42.9	41.2	*	50.0	46.2	*
Hip Fracture	9	11.1	5.3	*	11.1	9.8	*	11.1	12.9	*
Sepsis	1	0.0	7.7	*	0.0	10.4	*	0.0	13.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	4.3	*	20.0	7.9	*	20.0	10.4	*
Open Reduction of Hip Fracture	5	20.0	5.5	*	20.0	11.1	*	20.0	15.1	*
Prostatectomy	4	0.0	1.5	*	25.0	3.8	*	25.0	6.3	*
Cholecystectomy	7	14.3	5.6	*	14.3	8.6	*	14.3	10.8	*
Hysterectomy	4	0.0	0.8	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

OHIO STATE UNIVERSITY HOSPITAL

410 W 10th Ave
Columbus, OH 43210

Medicare Provider Number: 360085

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,187	5.3	7.4	0.5	9.5	12.0	0.6	14.0	15.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	77	15.6	22.7	6.1	19.5	25.9	6.0	27.3	29.1	5.3
Congestive Heart Failure	95	9.5	13.3	4.7	21.1	21.0	4.2	29.5	27.4	4.8
Pneumonia/Influenza	60	13.3	12.7	4.8	16.7	17.6	5.3	23.3	21.5	5.5
Chronic Obstructive Pulmonary Disease	17	5.9	10.2	*	11.8	17.9	*	23.5	24.1	*
Transient Cerebral Ischemia	17	0.0	1.7	*	0.0	3.7	*	5.9	5.7	*
Stroke	37	10.8	20.8	*	27.0	27.6	*	35.1	32.1	*
Hip Fracture	22	4.5	7.1	*	4.5	12.4	*	9.1	15.8	*
Sepsis	20	40.0	26.2	*	50.0	36.1	*	55.0	43.8	*
PROCEDURES:										
Angioplasty	59	1.7	2.9	2.7	3.4	3.7	3.2	3.4	4.7	3.4
Coronary Artery Bypass Graft	72	6.9	5.1	4.8	11.1	7.4	5.6	12.5	8.9	5.3
Initial Pacemaker Insertion	40	0.0	2.1	*	0.0	4.7	*	7.5	7.3	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.0	*	0.0	3.0	*
Hip Replacement/Reconstruction	25	4.0	2.3	*	4.0	4.6	*	8.0	6.6	*
Open Reduction of Hip Fracture	12	0.0	6.1	*	0.0	11.3	*	0.0	14.7	*
Prostatectomy	115	0.9	1.0	0.9	1.7	2.2	1.5	1.7	3.7	2.2
Cholecystectomy	28	0.0	5.0	*	0.0	9.9	*	0.0	13.9	*
Hysterectomy	18	5.6	1.2	*	11.1	2.8	*	11.1	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	721
Occupancy Rate	82
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	467
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	341
Registered Nurses	798
Licensed Practical Nurses	52

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

OHIO STATE UNIVERSITY HOSPITAL

Medicare Provider Number: 360085

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,214	4.9	7.7	0.6	9.4	12.5	0.7	13.2	16.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	70	20.0	23.4	5.8	28.6	27.0	5.5	31.4	30.6	6.1
Congestive Heart Failure	77	5.2	14.1	7.0	15.6	22.1	6.9	22.1	28.8	7.2
Pneumonia/Influenza	59	6.8	15.6	7.3	13.6	21.6	9.3	15.3	26.1	9.1
Chronic Obstructive Pulmonary Disease	22	0.0	8.9	*	4.5	14.8	*	13.6	19.8	*
Transient Cerebral Ischemia	28	0.0	1.4	*	7.1	2.8	*	7.1	4.3	*
Stroke	31	22.6	23.0	*	35.5	29.6	*	38.7	34.0	*
Hip Fracture	20	15.0	6.2	*	15.0	11.0	*	15.0	14.0	*
Sepsis	11	27.3	28.1	*	36.4	36.5	*	36.4	42.5	*
PROCEDURES:										
Angioplasty	47	2.1	3.0	*	2.1	4.0	*	4.3	5.0	*
Coronary Artery Bypass Graft	68	4.4	6.1	3.2	5.9	8.4	4.1	11.8	9.7	4.2
Initial Pacemaker Insertion	30	3.3	5.4	*	3.3	8.9	*	6.7	11.8	*
Carotid Endarterectomy	16	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	22	0.0	4.5	*	4.5	10.1	*	13.6	14.9	*
Open Reduction of Hip Fracture	12	16.7	5.6	*	16.7	10.1	*	16.7	12.8	*
Prostatectomy	111	0.0	1.2	1.5	0.0	2.8	2.8	2.7	4.6	2.7
Cholecystectomy	32	0.0	4.4	*	6.3	9.0	*	12.5	12.5	*
Hysterectomy	17	5.9	1.0	*	5.9	2.3	*	5.9	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,190	5.2	7.5	0.8	10.5	12.3	0.6	14.4	15.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	55	12.7	24.2	8.4	14.5	27.7	9.3	16.4	31.0	10.3
Congestive Heart Failure	53	1.9	13.5	6.7	9.4	20.6	7.3	24.5	26.9	6.3
Pneumonia/Influenza	37	10.8	13.8	*	13.5	19.5	*	21.6	24.0	*
Chronic Obstructive Pulmonary Disease	27	3.7	12.0	*	18.5	19.9	*	25.9	25.9	*
Transient Cerebral Ischemia	24	0.0	1.7	*	0.0	3.6	*	0.0	5.5	*
Stroke	40	5.0	17.7	*	15.0	24.8	*	17.5	29.3	*
Hip Fracture	24	4.2	7.3	*	8.3	12.7	*	8.3	16.2	*
Sepsis	20	20.0	27.5	*	40.0	36.1	*	40.0	42.8	*
PROCEDURES:										
Angioplasty	40	2.5	4.4	*	5.0	5.5	*	5.0	6.8	*
Coronary Artery Bypass Graft	72	6.9	6.1	3.3	8.3	8.3	4.0	11.1	9.4	3.9
Initial Pacemaker Insertion	30	0.0	3.4	*	3.3	7.1	*	3.3	10.2	*
Carotid Endarterectomy	21	0.0	1.4	*	0.0	2.5	*	0.0	3.5	*
Hip Replacement/Reconstruction	29	0.0	2.1	*	3.4	4.2	*	3.4	6.0	*
Open Reduction of Hip Fracture	15	6.7	6.1	*	6.7	11.4	*	6.7	15.0	*
Prostatectomy	88	1.1	0.6	1.2	1.1	1.4	1.7	1.1	2.4	2.6
Cholecystectomy	49	0.0	3.8	*	2.0	7.7	*	4.1	11.0	*
Hysterectomy	31	3.2	0.9	*	3.2	2.0	*	6.5	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

257.1

THE OHIO STATE UNIVERSITY HOSPITALS

Office of the Executive Director,
Assistant Vice President for
Health Services

450 West 10th Avenue
Columbus, Ohio 43210-1228
(614) 293-5555

MEDICARE PROVIDER #
360085

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

The Ohio State University Hospitals' Administration and Medical Staff have reviewed the HCFA Medicare mortality data for the previous three years. We support the provision of reliable information to health care consumers and heartily encourage the development of indicators that are more representative of quality health care.

The Ohio State University Hospitals is a tertiary care, teaching and research medical center. Numerous trauma patients arrive via SKYMED air transport to our Level I trauma center. In addition to our six intensive care units, Ohio State maintains the area's only burn intensive care unit and heart transplant program. Six percent of our annual admissions are transfers from other acute care hospitals and are directed to Ohio State University Hospitals due to the specialized care available in our organization.

Upon verification, the HCFA data contained 20 errors in medical record numbers or discharge dates. In tabulating causes of death for each condition, through inpatient databases and the Department of Vital Statistics, we found 23 deaths, as noted by HCFA, that could not be verified or were discrepant.

We have found that over the last three years, Ohio State continues to maintain a very low mortality rate, significantly below predicted rates each year. We have also noted over this time that HCFA's model to determine predicted mortality tends to assign a lower predicted rate to teaching institutions and a higher range to community hospitals. This intuitively does not seem correct. Common experience and medical research suggest that teaching institutions have more complex patients with a greater severity of illness.

With the 1989 changes in HCFA's mortality model it is important to note that random selection of cases may not provide adequate sampling for statistical significance in each category. This does not permit the user to satisfactorily estimate standard deviation, nor draw meaningful conclusions from the data. The user must also understand that deaths occurring at any point after discharge, especially as time increases, may be unrelated to the patients's stay in the hospital.

Page Two
The Ohio State University Hospitals

MEDICARE PROVIDER #
360085

The Ohio State University Hospitals' Characteristics reported for the 1989 year should be updated as follows:

TOTAL LICENSED BEDS:	1020
OCCUPANCY RATE:	82%
OWNERSHIP/CONTROL:	State Government
STAFFING:	
TOTAL NUMBER OF PHYSICIANS:	1355
PERCENT OF PHYSICIANS WHO ARE BOARD CERTIFIED SPECIALISTS:	93%
MEDICAL RESIDENTS/INTERNS:	533
REGISTERED NURSES:	1006
LICENSED PRACTICAL NURSES:	58

We at The Ohio State University Hospitals are committed to providing high quality patient care to the communities we serve. We will continue to utilize this data along with other indicators of quality as part of our overall continuous quality improvement efforts.

Thank you for the opportunity to comment.

R. Reed Fraley
Assistant Vice President for Health Services and Executive Director
The Ohio State University Hospitals

Hagop S. Mekhjian, M.D.
Assistant Vice President for Health Services and Medical Director
The Ohio State University Hospitals

RRF/GBM/sf

OHIO VALLEY HOSPITAL

380 Summit Avenue
Steubenville, OH 43952

Medicare Provider Number: 360211

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,241	10.1	10.1	1.3	15.6	15.2	1.5	20.3	19.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	31	29.0	28.0	*	32.3	30.6	*	35.5	33.8	*
Congestive Heart Failure	89	14.6	15.4	4.5	20.2	23.7	5.7	29.2	30.6	6.0
Pneumonia/Influenza	59	8.5	17.3	7.3	18.6	23.5	7.1	27.1	28.0	6.0
Chronic Obstructive Pulmonary Disease	50	8.0	8.5	*	14.0	14.4	*	18.0	19.5	*
Transient Cerebral Ischemia	24	12.5	2.0	*	12.5	4.4	*	12.5	7.1	*
Stroke	62	27.4	23.2	6.7	32.3	29.8	6.4	33.9	34.4	6.0
Hip Fracture	26	7.7	6.1	*	7.7	10.7	*	11.5	13.7	*
Sepsis	11	27.3	34.6	*	45.5	46.5	*	45.5	52.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	2.9	*	12.5	5.6	*	12.5	8.2	*
Carotid Endarterectomy	5	0.0	1.1	*	20.0	1.9	*	20.0	2.8	*
Hip Replacement/Reconstruction	11	9.1	5.8	*	9.1	10.1	*	18.2	12.8	*
Open Reduction of Hip Fracture	11	9.1	5.5	*	9.1	10.2	*	9.1	13.5	*
Prostatectomy	25	0.0	0.7	*	0.0	1.7	*	0.0	3.0	*
Cholecystectomy	13	0.0	3.6	*	0.0	5.9	*	0.0	7.2	*
Hysterectomy	15	0.0	0.3	*	0.0	0.5	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 222
Occupancy Rate 55
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

OHIO VALLEY HOSPITAL

Medicare Provider Number: 360211

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,443	10.3	9.6	0.9	16.5	14.8	1.3	19.7	18.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	37	54.1	33.1	*	56.8	36.3	*	56.8	39.9	*
Congestive Heart Failure	92	16.3	16.2	3.8	26.1	24.6	4.8	33.7	31.5	5.3
Pneumonia/Influenza	58	15.5	16.6	6.0	20.7	22.6	6.4	31.0	27.2	7.5
Chronic Obstructive Pulmonary Disease	33	12.1	10.3	*	24.2	17.9	*	27.3	24.1	*
Transient Cerebral Ischemia	33	0.0	2.1	*	0.0	4.6	*	0.0	7.2	*
Stroke	58	20.7	22.7	6.4	31.0	29.0	6.7	32.8	33.8	6.3
Hip Fracture	28	3.6	6.6	*	10.7	11.6	*	14.3	14.7	*
Sepsis	22	22.7	24.5	*	27.3	32.1	*	27.3	37.6	*
PROCEDURES:										
Angioplasty	1	100.0	14.0	*	100.0	15.0	*	100.0	16.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.2	*	0.0	5.2	*	0.0	7.2	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	5	0.0	4.6	*	20.0	8.8	*	20.0	11.4	*
Open Reduction of Hip Fracture	16	6.3	6.7	*	12.5	12.2	*	18.8	15.6	*
Prostatectomy	42	2.4	1.0	*	2.4	2.5	*	2.4	4.1	*
Cholecystectomy	30	0.0	3.2	*	0.0	6.0	*	0.0	7.8	*
Hysterectomy	12	0.0	0.9	*	8.3	1.9	*	8.3	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,370	9.6	10.6	0.9	15.9	15.8	1.0	20.3	19.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	37	21.6	30.5	*	37.8	34.1	*	43.2	37.8	*
Congestive Heart Failure	86	12.8	16.9	5.2	20.9	25.5	6.4	25.6	32.6	8.8
Pneumonia/Influenza	79	20.3	18.5	4.5	29.1	24.9	7.4	36.7	29.9	8.2
Chronic Obstructive Pulmonary Disease	28	21.4	13.4	*	35.7	21.2	*	46.4	27.0	*
Transient Cerebral Ischemia	32	3.1	2.1	*	9.4	4.7	*	12.5	7.6	*
Stroke	47	23.4	22.0	*	34.0	28.7	*	38.3	33.6	*
Hip Fracture	27	3.7	6.2	*	18.5	11.0	*	18.5	14.4	*
Sepsis	16	12.5	33.0	*	25.0	40.9	*	31.3	47.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.0	*	8.3	6.8	*	25.0	9.1	*
Carotid Endarterectomy	12	0.0	1.5	*	0.0	2.8	*	8.3	4.1	*
Hip Replacement/Reconstruction	8	0.0	6.6	*	25.0	11.6	*	25.0	14.9	*
Open Reduction of Hip Fracture	16	6.3	4.9	*	18.8	9.6	*	18.8	13.0	*
Prostatectomy	40	2.5	1.2	*	5.0	3.0	*	5.0	5.0	*
Cholecystectomy	17	5.9	4.2	*	17.6	8.0	*	23.5	11.1	*
Hysterectomy	15	0.0	0.7	*	0.0	1.4	*	6.7	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

259.1

Ohio Valley Hospital
One Ross Park
Steubenville, Ohio 43952
614-283-7000

MEDICARE PROVIDER NUMBER: 360211

OHIO VALLEY HOSPITAL COMMENTS FOR PUBLICATION

Once again, the annual release of Medicare Hospital mortality information obligates hospitals including the Ohio Valley Hospital to inform consumers on how this data should be utilized. Only one aspect of medical practice and the quality of care provided to Medicare patients is measured. The measurement tool used by HCFA is limited, restrictive, and incomplete. This has been a continuing controversy between health care providers and HCFA.

It is important to note that this report consists primarily of a statistical analysis of mortality data. Surviving patients and/or relatives of patients who have died were not interviewed. The medical records of these patients were not analyzed. Hospital personnel and physicians were not asked for their input. Thus, there was no aspect of peer review or "hands-on" review. And yet, everyone agrees that the measuring the quality of medical care at the present time is complex, inexact and requires further research.

For fiscal year 1989, the Medicare hospital mortality rate for Ohio Valley Hospital for all cases, that is Medicare, was 10.1 and the expected outcome within 30 days of admission was 10.1. Therefore, if one is satisfied with merely a statistical analysis, our Hospital was right on the button.

For medical conditions included in the overall category of stroke, intracerebral hemorrhage, cerebral thrombosis, cerebral embolus, cerebral artery occlusion, and stroke, the death rate at Ohio Valley Hospital within 30 days was above the predicted range. For the medical conditions included under congestive heart failure, and pneumonia/influenza, the mortality rate at Ohio Valley Hospital was lower than the expected range. All of the other conditions and procedures reviewed had results which were not considered statistically significant.

At Ohio Valley Hospital we have a comprehensive and extensive system for monitoring and evaluating patient care both for Medicare and non-Medicare patients. All medical conditions and procedures, including surgical cases, are reviewed on a continuous basis. Particular attention is paid to the review of patients who have died. HCFA bases their findings on a statistical analysis of randomly selected cases.

MEDICARE PROVIDER NUMBER: 360211
OHIO VALLEY HOSPITAL COMMENTS FOR PUBLICATION
Page Two

Every patient that is admitted to the Ohio Valley Hospital has their case reviewed; and after computer analysis of data abstracted from the patient's chart, the severity of illness of the patient is determined. The average weighted severity of all of the patients admitted under the medical condition listed as stroke at our Hospital was 2.03. The range of severity was from 0 to 4. Emphasized is the fact that the patients were quite ill. The average age of these patients was from 71 to 91. In addition, these patients had many other chronic and serious medical illnesses such as heart disease, cancer, diabetes, and respiratory problems. Six of the patients who had died either in the Hospital or within 30 days after admission, were diagnosed as having an intracerebral hemmorhage - a condition much more serious than the usual stroke, and frequently associated with poor outcome. So, it is not surprising that four of those patients died and influenced the statistical outcome.

HCFA has already spent millions of dollars implementing a system of Medicare review called Peer Review Organization. This is a "hands-on" system of review that is quite comprehensive and effective which has resulted in improvements in the efficiency and effectiveness of care provided to Medicare patients. It also reviews in detail every death case. This information is also available to the public.

OHIO VALLEY HOSPITAL
January 15, 1991

PARKVIEW HOSPITAL

1920 Parkwood Ave
Toledo, OH 43624

Medicare Provider Number: 360119

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	727	8.5	7.2	1.6	11.8	11.3	1.3	14.3	14.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	14	14.3	24.5	*	14.3	28.6	*	14.3	32.3	*
Congestive Heart Failure	35	14.3	14.5	*	25.7	22.9	*	31.4	29.8	*
Pneumonia/Influenza	22	13.6	15.9	*	22.7	21.3	*	22.7	25.5	*
Chronic Obstructive Pulmonary Disease	27	11.1	8.8	*	14.8	15.0	*	18.5	20.4	*
Transient Cerebral Ischemia	24	8.3	2.0	*	12.5	4.4	*	12.5	7.0	*
Stroke	25	28.0	20.7	*	36.0	27.8	*	48.0	32.2	*
Hip Fracture	15	13.3	9.6	*	13.3	16.6	*	13.3	21.1	*
Sepsis	5	0.0	27.4	*	20.0	34.3	*	20.0	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	1.4	*	33.3	3.1	*	33.3	4.9	*
Carotid Endarterectomy	8	0.0	1.6	*	0.0	3.0	*	0.0	4.6	*
Hip Replacement/Reconstruction	5	0.0	5.0	*	0.0	9.5	*	0.0	12.6	*
Open Reduction of Hip Fracture	9	11.1	8.3	*	11.1	14.4	*	11.1	18.3	*
Prostatectomy	15	13.3	0.9	*	13.3	2.2	*	13.3	3.9	*
Cholecystectomy	14	0.0	2.7	*	7.1	4.7	*	14.3	5.9	*
Hysterectomy	5	0.0	0.5	*	0.0	1.0	*	20.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	98
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	87
Percent of Physicians Board Certified Specialists	47
Medical Residents/Interns	20
Registered Nurses	124
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PARKVIEW HOSPITAL

Medicare Provider Number: 360119

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	739	7.3	8.0	1.5	13.1	12.2	1.7	16.2	15.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	30.5	*	38.1	34.1	*	38.1	37.6	*
Congestive Heart Failure	41	14.6	14.1	*	19.5	21.6	*	24.4	28.1	*
Pneumonia/Influenza	27	18.5	16.4	*	29.6	21.8	*	29.6	26.0	*
Chronic Obstructive Pulmonary Disease	33	6.1	9.2	*	12.1	15.4	*	21.2	20.6	*
Transient Cerebral Ischemia	17	0.0	2.1	*	11.8	4.8	*	11.8	7.5	*
Stroke	25	12.0	16.8	*	20.0	23.2	*	32.0	27.4	*
Hip Fracture	9	33.3	8.2	*	33.3	14.2	*	33.3	18.0	*
Sepsis	7	57.1	37.3	*	57.1	44.2	*	57.1	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.5	*	25.0	6.5	*	25.0	9.5	*
Carotid Endarterectomy	6	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	6	0.0	1.5	*	0.0	3.0	*	0.0	4.3	*
Open Reduction of Hip Fracture	5	20.0	4.3	*	20.0	8.5	*	20.0	11.5	*
Prostatectomy	7	0.0	2.1	*	0.0	5.4	*	14.3	9.3	*
Cholecystectomy	14	0.0	2.5	*	0.0	4.2	*	0.0	5.4	*
Hysterectomy	4	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	763	6.6	6.5	0.9	10.5	10.1	1.4	14.3	13.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	23	21.7	21.2	*	30.4	25.1	*	34.8	28.7	*
Congestive Heart Failure	35	25.7	14.6	*	37.1	22.8	*	42.9	29.6	*
Pneumonia/Influenza	31	9.7	14.5	*	25.8	19.5	*	29.0	23.5	*
Chronic Obstructive Pulmonary Disease	20	5.0	8.6	*	5.0	14.1	*	15.0	18.5	*
Transient Cerebral Ischemia	19	0.0	2.3	*	5.3	5.0	*	5.3	7.8	*
Stroke	17	23.5	21.4	*	23.5	27.5	*	23.5	31.4	*
Hip Fracture	18	0.0	5.7	*	11.1	10.7	*	16.7	13.9	*
Sepsis	7	14.3	31.8	*	42.9	38.2	*	42.9	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.7	*	0.0	3.5	*	0.0	5.2	*
Carotid Endarterectomy	10	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	12	0.0	2.4	*	0.0	4.8	*	0.0	6.4	*
Open Reduction of Hip Fracture	8	0.0	7.0	*	25.0	13.6	*	25.0	18.0	*
Prostatectomy	25	0.0	0.8	*	0.0	2.0	*	4.0	3.3	*
Cholecystectomy	19	5.3	4.6	*	15.8	8.0	*	21.1	10.3	*
Hysterectomy	3	0.0	0.7	*	0.0	1.5	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Parkview
HOSPITAL
Best Personal Care...

Medicare Provider #36-0119

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to review and comment upon the soon to be released Medicare Hospital Mortality Information. Only 63 deaths were in the 1989 study. We note your documentation that the number of deaths in every category reviewed was too small to be statistically sound or permit estimation of the standard deviation.

It is also noted that 14 of the deaths in this study occurred more than 180 days past discharge, five of them in fact more than one year following discharge. Ten of those patients died elsewhere and we are unable to confirm death or cause. Four of those patients appear to have died from causes other than the study identified condition/procedure. Further, utilizing the rule of thumb set forth in your Enclosure A, page A-2, any difference from what was expected is not meaningful and in fact very insignificant.

Thank you again for this opportunity. Hopefully any publication of this material will permit an educated analysis. Every effort must be made to prevent any public misinterpretation in this matter.

Sincerely,

PARKVIEW HOSPITAL-OSTEOPATHIC

Bernhardt A. Zeiher, FCOHE
President/CEO

BAZ/ema

PARMA COMMUNITY GENERAL HOSPITAL

7007 Powers Boulevard
Parma, OH 44129

Medicare Provider Number: 360041

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,061	9.8	9.7	0.6	16.1	14.5	0.8	19.9	18.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	105	37.1	28.4	5.9	43.8	31.3	6.3	44.8	34.5	6.5
Congestive Heart Failure	226	15.0	15.2	2.7	25.2	23.1	4.1	33.6	29.7	5.9
Pneumonia/Influenza	157	10.2	15.9	4.3	19.7	21.6	3.4	24.2	26.0	3.8
Chronic Obstructive Pulmonary Disease	66	10.6	8.6	4.1	18.2	14.6	7.5	24.2	19.6	8.8
Transient Cerebral Ischemia	82	2.4	2.0	1.7	7.3	4.3	3.3	9.8	6.8	4.1
Stroke	124	17.7	19.3	3.7	27.4	25.8	4.1	33.1	30.1	4.5
Hip Fracture	76	6.6	7.9	4.1	13.2	13.8	4.0	19.7	17.5	5.5
Sepsis	13	30.8	28.4	*	38.5	39.4	*	46.2	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	4.0	*	12.0	6.7	*	12.0	9.0	*
Carotid Endarterectomy	29	6.9	1.5	*	6.9	2.7	*	6.9	3.9	*
Hip Replacement/Reconstruction	48	6.3	4.2	*	12.5	7.8	*	16.7	10.3	*
Open Reduction of Hip Fracture	33	3.0	7.6	*	9.1	13.5	*	15.2	17.1	*
Prostatectomy	124	0.8	1.1	1.3	0.8	2.7	2.2	3.2	4.3	2.5
Cholecystectomy	69	0.0	2.5	*	0.0	4.4	*	0.0	5.6	*
Hysterectomy	28	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 321
Occupancy Rate 70
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 174
Percent of Physicians Board Certified Specialists 61
Medical Residents/Interns 0
Registered Nurses 206
Licensed Practical Nurses 128

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PARMA COMMUNITY GENERAL HOSPITAL

Medicare Provider Number: 360041

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,259	9.5	9.6	0.7	14.9	14.3	1.0	18.1	18.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	98	28.6	28.6	4.6	30.6	31.8	5.0	34.7	35.1	4.9
Congestive Heart Failure	242	14.5	16.5	2.7	24.0	24.5	2.8	27.7	31.3	4.1
Pneumonia/Influenza	140	15.7	17.5	4.1	21.4	23.7	4.9	25.7	28.5	5.1
Chronic Obstructive Pulmonary Disease	68	10.3	10.6	4.1	17.6	17.4	5.3	26.5	22.9	8.4
Transient Cerebral Ischemia	112	0.9	2.0	1.8	2.7	4.3	2.8	6.3	6.7	2.8
Stroke	128	19.5	22.2	5.0	28.1	28.9	4.2	30.5	33.5	5.3
Hip Fracture	89	7.9	7.5	2.9	13.5	13.2	4.0	16.9	16.6	3.9
Sepsis	18	22.2	29.5	*	33.3	38.4	*	38.9	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	43	9.3	5.1	*	16.3	8.8	*	18.6	12.2	*
Carotid Endarterectomy	47	0.0	1.3	*	2.1	2.4	*	2.1	3.6	*
Hip Replacement/Reconstruction	50	8.0	3.9	*	8.0	7.3	*	8.0	9.5	*
Open Reduction of Hip Fracture	39	5.1	7.2	*	10.3	12.9	*	17.9	16.3	*
Prostatectomy	138	0.0	1.0	1.9	3.6	2.4	2.3	5.8	3.9	3.2
Cholecystectomy	57	0.0	2.7	2.8	1.8	4.8	3.7	5.3	6.3	4.1
Hysterectomy	31	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,328	9.3	9.4	0.5	14.6	13.7	0.7	18.0	17.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	133	33.8	31.0	4.2	41.4	34.2	4.6	43.6	37.4	4.6
Congestive Heart Failure	239	15.9	17.0	3.4	21.3	25.1	4.2	31.0	31.9	3.1
Pneumonia/Influenza	125	21.6	17.3	6.2	29.6	23.4	7.6	31.2	28.1	6.0
Chronic Obstructive Pulmonary Disease	59	15.3	11.7	5.6	18.6	18.9	5.6	25.4	24.2	5.7
Transient Cerebral Ischemia	114	1.8	2.0	1.6	6.1	4.3	3.0	7.0	6.7	2.4
Stroke	138	18.1	19.6	3.7	27.5	26.1	4.1	31.9	30.5	4.5
Hip Fracture	64	7.8	7.9	4.1	15.6	14.0	4.5	20.3	17.6	6.8
Sepsis	33	12.1	22.9	*	18.2	30.2	*	24.2	35.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	37	2.7	4.7	*	13.5	8.0	*	16.2	10.8	*
Carotid Endarterectomy	33	0.0	1.4	*	0.0	2.6	*	6.1	3.8	*
Hip Replacement/Reconstruction	46	4.3	3.6	*	8.7	6.6	*	13.0	8.7	*
Open Reduction of Hip Fracture	28	3.6	6.3	*	10.7	11.7	*	14.3	15.2	*
Prostatectomy	128	1.6	0.8	1.1	2.3	1.9	1.3	2.3	3.2	1.8
Cholecystectomy	69	2.9	2.0	2.0	2.9	3.3	2.2	2.9	4.1	2.6
Hysterectomy	26	0.0	1.1	*	0.0	1.9	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PAULDING COUNTY HOSPITAL

Route 2
Paulding, OH 45879

Medicare Provider Number: 360136

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	271	8.5	11.1	2.6	13.3	15.6	2.9	17.7	19.3	2.6
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	27.5	*	33.3	30.6	*	41.7	33.8	*
Congestive Heart Failure	20	25.0	16.2	*	25.0	25.5	*	30.0	33.0	*
Pneumonia/Influenza	28	10.7	17.1	*	17.9	23.4	*	17.9	28.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	14.1	*	0.0	24.2	*	0.0	31.1	*
Transient Cerebral Ischemia	7	0.0	1.8	*	0.0	4.0	*	0.0	6.4	*
Stroke	15	13.3	26.0	*	26.7	33.2	*	40.0	37.9	*
Hip Fracture	0									
Sepsis	12	25.0	41.8	*	50.0	48.0	*	50.0	54.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	0.7	*	0.0	1.4	*	0.0	2.4	*
Cholecystectomy	7	0.0	1.8	*	0.0	2.7	*	0.0	3.4	*
Hysterectomy	6	0.0	0.9	*	0.0	2.0	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	45
Occupancy Rate	29
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	10
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	35
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PAULDING COUNTY HOSPITAL

Medicare Provider Number: 360136

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	295	8.8	10.8	2.7	13.2	15.6	3.6	14.6	19.5	3.9
CONDITIONS:										
Acute Myocardial Infarction	12	8.3	22.1	*	16.7	25.4	*	16.7	28.9	*
Congestive Heart Failure	18	11.1	16.6	*	22.2	24.7	*	27.8	31.4	*
Pneumonia/Influenza	19	26.3	20.3	*	36.8	27.3	*	36.8	32.4	*
Chronic Obstructive Pulmonary Disease	8	25.0	8.9	*	25.0	16.3	*	37.5	23.3	*
Transient Cerebral Ischemia	4	0.0	2.8	*	0.0	6.4	*	0.0	9.7	*
Stroke	16	18.8	22.6	*	18.8	29.4	*	25.0	34.1	*
Hip Fracture	0									
Sepsis	8	12.5	37.8	*	12.5	43.4	*	12.5	49.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	8	0.0	1.4	*	0.0	3.6	*	0.0	6.3	*
Cholecystectomy	9	0.0	2.0	*	0.0	3.1	*	0.0	3.9	*
Hysterectomy	1	0.0	0.0	*	0.0	0.1	*	0.0	0.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	271	10.0	10.9	2.0	14.8	15.8	2.5	18.5	19.8	3.7
CONDITIONS:										
Acute Myocardial Infarction	8	37.5	37.7	*	37.5	42.0	*	50.0	45.5	*
Congestive Heart Failure	15	20.0	14.5	*	20.0	22.5	*	26.7	29.3	*
Pneumonia/Influenza	26	19.2	20.4	*	34.6	27.4	*	34.6	32.8	*
Chronic Obstructive Pulmonary Disease	6	16.7	12.2	*	16.7	18.2	*	16.7	22.5	*
Transient Cerebral Ischemia	5	0.0	2.1	*	0.0	4.4	*	20.0	7.1	*
Stroke	7	0.0	19.2	*	0.0	26.9	*	14.3	31.7	*
Hip Fracture	3	0.0	14.8	*	0.0	25.0	*	0.0	30.7	*
Sepsis	9	11.1	38.9	*	11.1	44.4	*	22.2	50.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	11	0.0	0.7	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	8	0.0	1.2	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PEOPLES HOSPITAL INC

597 Park Avenue East
Mansfield, OH 44905

Medicare Provider Number: 360166

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	354	6.8	7.0	1.4	11.6	10.9	1.8	14.7	14.1	2.3
CONDITIONS:										
Acute Myocardial Infarction	6	16.7	28.4	*	16.7	31.8	*	16.7	35.6	*
Congestive Heart Failure	21	23.8	12.7	*	28.6	20.1	*	38.1	26.3	*
Pneumonia/Influenza	13	15.4	13.3	*	15.4	18.1	*	15.4	22.0	*
Chronic Obstructive Pulmonary Disease	16	0.0	7.1	*	6.3	12.8	*	12.5	18.3	*
Transient Cerebral Ischemia	4	25.0	1.9	*	25.0	4.6	*	25.0	7.6	*
Stroke	10	10.0	17.8	*	30.0	23.3	*	30.0	27.6	*
Hip Fracture	1	0.0	3.7	*	0.0	7.6	*	0.0	10.7	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.5	*	0.0	7.3	*	0.0	10.4	*
Open Reduction of Hip Fracture	0									
Prostatectomy	7	0.0	0.9	*	14.3	2.2	*	14.3	3.8	*
Cholecystectomy	11	0.0	1.1	*	0.0	2.0	*	0.0	2.6	*
Hysterectomy	11	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 111
Occupancy Rate 26
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 93
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 0
Registered Nurses 35
Licensed Practical Nurses 26

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PEOPLES HOSPITAL INC

Medicare Provider Number: 360166

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	349	6.9	6.5	1.8	10.0	10.6	1.8	13.8	13.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	3	0.0	21.6	*	0.0	23.8	*	0.0	26.8	*
Congestive Heart Failure	9	11.1	14.8	*	22.2	22.3	*	33.3	28.0	*
Pneumonia/Influenza	15	0.0	9.9	*	6.7	13.7	*	6.7	16.9	*
Chronic Obstructive Pulmonary Disease	21	14.3	6.2	*	19.0	11.0	*	23.8	15.1	*
Transient Cerebral Ischemia	3	0.0	1.8	*	0.0	4.3	*	0.0	7.1	*
Stroke	9	22.2	17.7	*	22.2	23.4	*	33.3	27.9	*
Hip Fracture	2	0.0	3.4	*	0.0	7.0	*	50.0	9.9	*
Sepsis	1	100.0	28.1	*	100.0	52.0	*	100.0	65.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.7	*	0.0	8.4	*	100.0	12.4	*
Open Reduction of Hip Fracture	0									
Prostatectomy	4	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	11	0.0	0.7	*	0.0	1.3	*	0.0	1.9	*
Hysterectomy	3	0.0	1.7	*	33.3	4.3	*	33.3	6.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	353	6.5	6.7	1.5	11.3	10.5	1.7	15.3	13.6	2.3
CONDITIONS:										
Acute Myocardial Infarction	8	25.0	29.0	*	25.0	31.3	*	25.0	34.2	*
Congestive Heart Failure	19	21.1	14.6	*	42.1	22.3	*	52.6	28.9	*
Pneumonia/Influenza	8	12.5	11.0	*	25.0	14.8	*	25.0	18.2	*
Chronic Obstructive Pulmonary Disease	17	5.9	5.4	*	17.6	10.2	*	29.4	14.3	*
Transient Cerebral Ischemia	6	0.0	1.9	*	0.0	4.3	*	16.7	7.0	*
Stroke	13	7.7	16.4	*	7.7	22.2	*	15.4	26.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	8	0.0	0.6	*	0.0	1.5	*	0.0	2.6	*
Cholecystectomy	5	0.0	1.0	*	0.0	1.6	*	0.0	2.2	*
Hysterectomy	4	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PIKE COUNTY HOSPITAL

Dawn Lane
Waverly, OH 45690

Medicare Provider Number: 360047

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	312	14.4	11.9	2.4	18.9	17.7	2.3	21.8	22.2	2.4
CONDITIONS:										
Acute Myocardial Infarction	15	33.3	27.7	*	33.3	30.7	*	40.0	33.7	*
Congestive Heart Failure	32	15.6	15.8	*	28.1	24.5	*	28.1	31.5	*
Pneumonia/Influenza	25	20.0	17.8	*	20.0	23.8	*	32.0	28.7	*
Chronic Obstructive Pulmonary Disease	13	0.0	6.1	*	7.7	11.6	*	7.7	16.5	*
Transient Cerebral Ischemia	7	0.0	3.3	*	0.0	7.6	*	0.0	12.1	*
Stroke	15	13.3	22.4	*	20.0	30.5	*	26.7	35.3	*
Hip Fracture	7	0.0	10.6	*	0.0	18.9	*	0.0	24.5	*
Sepsis	4	50.0	30.7	*	50.0	40.3	*	50.0	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	14.5	*	0.0	18.5	*	0.0	20.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	7.0	*	0.0	13.7	*	0.0	18.5	*
Open Reduction of Hip Fracture	2	0.0	16.3	*	0.0	28.9	*	0.0	36.5	*
Prostatectomy	0									
Cholecystectomy	1	0.0	1.2	*	0.0	2.0	*	0.0	2.5	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 44
Occupancy Rate 32
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians ..... (Not Available)
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PIKE COUNTY HOSPITAL

Medicare Provider Number: 360047

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	397	12.6	11.1	2.2	18.1	16.4	2.9	23.4	20.6	3.7
CONDITIONS:										
Acute Myocardial Infarction	11	45.5	34.8	*	45.5	39.2	*	54.5	43.4	*
Congestive Heart Failure	33	15.2	15.8	*	27.3	24.3	*	39.4	31.2	*
Pneumonia/Influenza	26	30.8	17.7	*	38.5	23.7	*	42.3	28.6	*
Chronic Obstructive Pulmonary Disease	6	33.3	12.8	*	33.3	22.1	*	33.3	29.0	*
Transient Cerebral Ischemia	12	0.0	2.2	*	8.3	4.8	*	8.3	7.6	*
Stroke	19	21.1	23.7	*	36.8	31.2	*	42.1	36.5	*
Hip Fracture	10	10.0	5.1	*	10.0	9.3	*	20.0	12.1	*
Sepsis	3	0.0	27.0	*	33.3	33.6	*	33.3	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	7.4	*	100.0	11.4	*	100.0	14.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.7	*	0.0	7.4	*	0.0	9.9	*
Open Reduction of Hip Fracture	4	25.0	6.0	*	25.0	11.3	*	25.0	14.6	*
Prostatectomy	0									
Cholecystectomy	6	0.0	3.3	*	0.0	5.4	*	0.0	6.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	393	11.7	12.0	1.7	17.6	17.7	2.1	21.1	22.1	2.3
CONDITIONS:										
Acute Myocardial Infarction	11	18.2	33.5	*	18.2	36.7	*	27.3	40.8	*
Congestive Heart Failure	33	21.2	21.0	*	30.3	31.4	*	45.5	39.4	*
Pneumonia/Influenza	32	15.6	21.1	*	31.3	28.2	*	34.4	33.6	*
Chronic Obstructive Pulmonary Disease	14	14.3	11.4	*	21.4	18.4	*	21.4	23.5	*
Transient Cerebral Ischemia	10	10.0	2.9	*	10.0	6.4	*	10.0	10.2	*
Stroke	24	16.7	24.9	*	25.0	31.6	*	29.2	36.5	*
Hip Fracture	15	13.3	6.6	*	20.0	12.6	*	20.0	17.0	*
Sepsis	2	0.0	27.0	*	0.0	32.0	*	0.0	38.5	*
PROCEDURES:										
Angioplasty	1	0.0	1.6	*	0.0	2.7	*	0.0	3.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	8.2	*	0.0	17.6	*	0.0	25.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.8	*	0.0	11.0	*	0.0	14.5	*
Open Reduction of Hip Fracture	12	16.7	5.7	*	25.0	11.7	*	25.0	16.3	*
Prostatectomy	0									
Cholecystectomy	3	0.0	2.2	*	0.0	3.6	*	0.0	4.4	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PIQUA MEMORIAL MEDICAL CENTER

624 Park Ave
Piqua, OH 45356

Medicare Provider Number: 360149

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,286	8.5	8.9	0.9	13.8	13.6	1.3	16.7	17.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	47	25.5	25.1	*	29.8	28.6	*	31.9	32.1	*
Congestive Heart Failure	96	8.3	14.0	4.9	20.8	21.7	4.4	24.0	28.2	5.5
Pneumonia/Influenza	85	10.6	17.1	5.9	18.8	23.8	5.8	22.4	28.5	6.2
Chronic Obstructive Pulmonary Disease	11	0.0	7.8	*	0.0	14.8	*	9.1	20.9	*
Transient Cerebral Ischemia	31	3.2	2.4	*	9.7	5.5	*	16.1	8.8	*
Stroke	54	18.5	18.9	5.5	20.4	25.6	7.9	25.9	30.0	7.9
Hip Fracture	29	6.9	8.7	*	10.3	15.1	*	10.3	19.1	*
Sepsis	7	14.3	22.0	*	14.3	26.9	*	14.3	31.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.0	*	20.0	6.0	*	20.0	9.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	6.3	5.0	*	12.5	9.4	*	12.5	12.5	*
Open Reduction of Hip Fracture	8	0.0	7.7	*	0.0	13.5	*	0.0	17.1	*
Prostatectomy	31	0.0	1.5	*	3.2	3.6	*	12.9	5.7	*
Cholecystectomy	23	8.7	3.2	*	8.7	5.8	*	8.7	7.6	*
Hysterectomy	8	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 149
Occupancy Rate 54
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 60
Percent of Physicians Board Certified Specialists 75
Medical Residents/Interns 0
Registered Nurses 136
Licensed Practical Nurses 23

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PIQUA MEMORIAL MEDICAL CENTER

Medicare Provider Number: 360149

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,311	9.0	8.8	0.8	12.9	13.3	1.0	15.8	17.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	44	31.8	24.1	*	31.8	26.9	*	36.4	30.0	*
Congestive Heart Failure	123	13.0	14.5	3.6	23.6	22.0	3.9	27.6	28.4	4.8
Pneumonia/Influenza	80	21.2	18.4	4.7	26.2	25.4	4.9	30.0	29.9	5.4
Chronic Obstructive Pulmonary Disease	13	7.7	12.2	*	7.7	19.3	*	15.4	24.4	*
Transient Cerebral Ischemia	29	0.0	2.3	*	3.4	5.0	*	3.4	7.7	*
Stroke	54	29.6	21.8	9.4	33.3	28.9	7.4	37.0	33.9	6.9
Hip Fracture	34	8.8	7.3	*	8.8	13.3	*	11.8	17.1	*
Sepsis	15	20.0	30.2	*	26.7	36.8	*	26.7	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	4.1	*	25.0	8.7	*	25.0	12.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.0	*	0.0	5.7	*	0.0	7.4	*
Open Reduction of Hip Fracture	17	17.6	7.0	*	17.6	13.2	*	23.5	17.4	*
Prostatectomy	27	0.0	0.6	*	0.0	1.5	*	0.0	2.7	*
Cholecystectomy	24	4.2	3.4	*	4.2	6.2	*	4.2	8.1	*
Hysterectomy	11	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,124	9.5	9.8	1.2	15.0	14.5	1.4	18.3	18.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	36	25.0	29.9	*	25.0	33.1	*	25.0	36.7	*
Congestive Heart Failure	99	19.2	16.6	5.4	30.3	25.2	8.3	33.3	32.4	5.2
Pneumonia/Influenza	82	14.6	16.2	5.1	24.4	22.6	6.1	29.3	27.2	6.9
Chronic Obstructive Pulmonary Disease	10	10.0	5.9	*	30.0	10.9	*	30.0	15.6	*
Transient Cerebral Ischemia	22	9.1	2.6	*	9.1	5.9	*	9.1	9.6	*
Stroke	49	28.6	24.5	*	32.7	32.2	*	38.8	37.4	*
Hip Fracture	21	9.5	9.6	*	23.8	16.8	*	23.8	21.0	*
Sepsis	8	0.0	24.3	*	0.0	29.7	*	0.0	34.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.0	*	0.0	7.9	*	0.0	11.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	6.1	*	33.3	11.8	*	33.3	15.8	*
Open Reduction of Hip Fracture	15	0.0	7.8	*	13.3	14.2	*	13.3	18.0	*
Prostatectomy	28	0.0	1.1	*	3.6	2.8	*	10.7	4.7	*
Cholecystectomy	12	8.3	4.7	*	16.7	7.1	*	16.7	8.5	*
Hysterectomy	6	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

POTTERS MEDICAL CENTER

322 W 6th St
East Liverpool, OH 43920

Medicare Provider Number: 360238

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	111	5.4	5.1	2.1	8.1	8.1	2.6	9.9	10.7	3.3
CONDITIONS:										
Acute Myocardial Infarction	4	50.0	23.0	*	50.0	27.5	*	50.0	31.2	*
Congestive Heart Failure	5	0.0	7.6	*	0.0	12.6	*	0.0	17.3	*
Pneumonia/Influenza	2	0.0	8.2	*	50.0	11.6	*	50.0	14.8	*
Chronic Obstructive Pulmonary Disease	4	0.0	6.8	*	25.0	13.0	*	25.0	18.1	*
Transient Cerebral Ischemia	4	0.0	1.9	*	0.0	4.5	*	0.0	7.4	*
Stroke	4	0.0	13.4	*	0.0	19.6	*	25.0	23.7	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	43
Occupancy Rate	42
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	30
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	9
Licensed Practical Nurses	3

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

POTTERS MEDICAL CENTER

Medicare Provider Number: 360238

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	145	6.9	4.2	3.2	9.0	6.3	4.2	11.0	8.3	4.8
CONDITIONS:										
Acute Myocardial Infarction	4	75.0	29.7	*	75.0	32.5	*	75.0	36.1	*
Congestive Heart Failure	7	14.3	10.6	*	28.6	18.1	*	28.6	24.5	*
Pneumonia/Influenza	2	0.0	10.0	*	0.0	14.0	*	0.0	17.8	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.1	*	0.0	7.5	*	0.0	10.0	*
Transient Cerebral Ischemia	5	0.0	1.2	*	0.0	2.5	*	0.0	3.9	*
Stroke	4	25.0	27.6	*	25.0	35.8	*	50.0	41.4	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	9	0.0	0.9	*	0.0	2.2	*	0.0	3.8	*
Cholecystectomy	1	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*
Hysterectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	113	4.4	4.3	3.6	8.0	7.0	3.4	9.7	9.5	3.1
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	29.4	*	50.0	32.5	*	50.0	36.3	*
Congestive Heart Failure	8	25.0	14.5	*	37.5	24.4	*	50.0	32.5	*
Pneumonia/Influenza	5	0.0	7.9	*	0.0	11.1	*	0.0	13.9	*
Chronic Obstructive Pulmonary Disease	2	0.0	6.3	*	0.0	10.8	*	0.0	14.4	*
Transient Cerebral Ischemia	6	0.0	1.4	*	0.0	2.8	*	0.0	4.3	*
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	1.0	*	0.0	2.5	*	0.0	4.4	*
Cholecystectomy	1	0.0	2.2	*	0.0	3.9	*	0.0	4.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PROVIDENCE HOSPITAL

1912 South Hayes Ave
Sandusky, OH 44870

Medicare Provider Number: 360024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,260	9.1	9.1	0.9	15.7	14.2	1.7	18.9	18.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	23.6	*	32.0	27.2	*	36.0	30.8	*
Congestive Heart Failure	69	11.6	15.8	5.9	20.3	25.2	8.2	26.1	32.6	10.4
Pneumonia/Influenza	106	21.7	16.7	5.1	30.2	22.9	7.2	35.8	27.7	8.0
Chronic Obstructive Pulmonary Disease	17	0.0	5.9	*	0.0	10.6	*	11.8	14.7	*
Transient Cerebral Ischemia	17	0.0	1.3	*	5.9	2.8	*	5.9	4.4	*
Stroke	45	11.1	17.5	*	17.8	24.3	*	20.0	28.6	*
Hip Fracture	23	13.0	6.2	*	17.4	11.6	*	21.7	15.2	*
Sepsis	9	22.2	28.6	*	33.3	38.7	*	33.3	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	1.8	*	10.0	4.1	*	10.0	6.6	*
Carotid Endarterectomy	6	0.0	0.9	*	0.0	1.6	*	0.0	2.3	*
Hip Replacement/Reconstruction	17	0.0	4.0	*	5.9	8.0	*	5.9	11.2	*
Open Reduction of Hip Fracture	12	16.7	5.9	*	16.7	11.6	*	25.0	15.5	*
Prostatectomy	29	0.0	1.1	*	0.0	2.8	*	0.0	4.7	*
Cholecystectomy	19	0.0	3.5	*	5.3	6.4	*	5.3	8.4	*
Hysterectomy	7	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 261
Occupancy Rate 44
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 90
Percent of Physicians Board Certified Specialists 71
Medical Residents/Interns 0
Registered Nurses 98
Licensed Practical Nurses 67

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PROVIDENCE HOSPITAL

Medicare Provider Number: 360024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,392	8.5	8.7	1.3	13.1	13.7	1.6	17.0	17.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	27	22.2	27.1	*	22.2	30.2	*	22.2	33.5	*
Congestive Heart Failure	77	15.6	17.0	4.4	26.0	26.1	5.0	28.6	33.3	6.3
Pneumonia/Influenza	86	12.8	18.1	7.0	20.9	24.7	6.5	29.1	29.6	5.0
Chronic Obstructive Pulmonary Disease	13	7.7	7.4	*	7.7	11.9	*	7.7	15.7	*
Transient Cerebral Ischemia	27	0.0	2.2	*	0.0	4.7	*	3.7	7.4	*
Stroke	38	15.8	18.9	*	23.7	27.1	*	31.6	32.3	*
Hip Fracture	17	11.8	6.8	*	23.5	12.6	*	29.4	16.6	*
Sepsis	12	8.3	24.0	*	16.7	32.2	*	25.0	38.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	4.1	*	6.3	7.8	*	18.8	11.3	*
Carotid Endarterectomy	8	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	13	7.7	2.6	*	7.7	4.8	*	7.7	6.3	*
Open Reduction of Hip Fracture	10	10.0	6.6	*	20.0	13.1	*	30.0	17.9	*
Prostatectomy	45	2.2	1.3	*	6.7	3.4	*	8.9	5.7	*
Cholecystectomy	24	0.0	2.7	*	0.0	4.8	*	0.0	6.0	*
Hysterectomy	9	0.0	0.6	*	0.0	1.2	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,462	8.5	7.7	0.9	13.1	12.3	1.1	16.1	16.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	35	28.6	25.9	*	34.3	29.3	*	37.1	32.7	*
Congestive Heart Failure	68	11.8	16.3	5.8	25.0	25.0	5.4	30.9	32.0	5.9
Pneumonia/Influenza	84	19.0	15.9	6.6	27.4	21.7	9.4	32.1	26.6	9.2
Chronic Obstructive Pulmonary Disease	14	21.4	14.2	*	21.4	22.4	*	21.4	28.6	*
Transient Cerebral Ischemia	23	0.0	1.9	*	0.0	3.8	*	0.0	5.8	*
Stroke	39	30.8	23.2	*	46.2	31.7	*	48.7	36.9	*
Hip Fracture	31	3.2	5.5	*	12.9	10.2	*	16.1	13.4	*
Sepsis	10	30.0	29.4	*	30.0	35.3	*	30.0	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	7.4	6.8	*	11.1	11.6	*	18.5	15.6	*
Carotid Endarterectomy	18	5.6	1.2	*	5.6	2.2	*	5.6	3.2	*
Hip Replacement/Reconstruction	13	0.0	5.4	*	7.7	8.5	*	15.4	10.8	*
Open Reduction of Hip Fracture	23	4.3	4.1	*	13.0	8.1	*	17.4	11.0	*
Prostatectomy	43	0.0	0.9	*	2.3	2.3	*	2.3	3.9	*
Cholecystectomy	27	3.7	2.0	*	3.7	3.6	*	7.4	4.9	*
Hysterectomy	7	0.0	0.6	*	0.0	1.6	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PROVIDENCE HOSPITAL

2446 Kipling Ave
Cincinnati, OH 45239

Medicare Provider Number: 360234

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,087	8.8	8.2	0.8	14.5	12.8	1.0	18.0	16.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	100	31.0	26.0	6.8	39.0	29.3	7.2	42.0	32.8	6.9
Congestive Heart Failure	172	15.1	14.9	2.8	23.3	23.5	3.7	33.1	30.6	4.7
Pneumonia/Influenza	175	14.9	14.9	3.6	21.7	20.6	3.5	26.9	25.3	4.9
Chronic Obstructive Pulmonary Disease	64	4.7	5.8	3.5	9.4	10.8	5.8	10.9	15.3	8.4
Transient Cerebral Ischemia	61	3.3	1.7	2.3	4.9	3.9	2.6	8.2	6.3	3.9
Stroke	109	17.4	20.0	5.3	24.8	26.6	4.9	28.4	31.1	5.7
Hip Fracture	86	3.5	4.8	2.5	10.5	8.9	3.4	11.6	11.8	3.8
Sepsis	21	14.3	20.9	*	28.6	27.7	*	28.6	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	42	0.0	5.2	*	7.1	8.9	*	9.5	12.1	*
Carotid Endarterectomy	19	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	45	2.2	3.0	*	4.4	5.9	*	6.7	7.8	*
Open Reduction of Hip Fracture	45	4.4	4.4	*	13.3	8.5	*	13.3	11.5	*
Prostatectomy	87	1.1	1.1	1.4	2.3	2.7	2.7	2.3	4.7	3.6
Cholecystectomy	80	5.0	2.4	3.0	8.7	4.4	3.5	8.7	5.9	3.9
Hysterectomy	12	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	352
Occupancy Rate	53
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	333
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	246
Licensed Practical Nurses	63

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PROVIDENCE HOSPITAL

Medicare Provider Number: 360234

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,325	8.5	8.4	0.6	13.4	13.2	0.7	17.8	16.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	102	23.5	27.0	6.0	26.5	30.0	7.3	27.5	33.1	8.4
Congestive Heart Failure	190	15.3	15.0	3.2	25.8	23.5	4.5	36.3	30.6	7.1
Pneumonia/Influenza	151	16.6	16.2	3.0	23.8	22.4	3.6	30.5	27.2	5.4
Chronic Obstructive Pulmonary Disease	75	1.3	5.5	4.8	4.0	10.0	6.2	12.0	14.1	4.5
Transient Cerebral Ischemia	59	1.7	2.2	*	3.4	4.9	*	5.1	7.7	*
Stroke	120	21.7	21.1	4.1	28.3	28.1	4.2	32.5	32.9	4.3
Hip Fracture	93	6.5	5.6	2.9	15.1	10.6	4.2	20.4	14.1	7.0
Sepsis	17	17.6	28.4	*	35.3	35.9	*	41.2	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	40	7.5	5.7	*	7.5	8.9	*	7.5	11.8	*
Carotid Endarterectomy	17	0.0	1.6	*	5.9	3.2	*	5.9	4.7	*
Hip Replacement/Reconstruction	75	2.7	3.1	2.4	4.0	6.3	3.4	8.0	8.6	3.3
Open Reduction of Hip Fracture	43	4.7	5.0	*	16.3	9.9	*	20.9	13.5	*
Prostatectomy	88	0.0	1.3	1.6	2.3	3.1	2.1	2.3	5.1	3.3
Cholecystectomy	85	1.2	2.6	2.1	4.7	4.8	2.5	4.7	6.3	3.0
Hysterectomy	17	0.0	1.2	*	5.9	2.5	*	11.8	3.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,221	8.9	8.4	0.9	13.7	13.0	1.1	17.1	16.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	100	26.0	24.7	6.3	32.0	27.5	6.1	32.0	30.5	5.3
Congestive Heart Failure	205	14.1	14.6	3.0	25.9	22.6	4.8	30.7	29.5	3.7
Pneumonia/Influenza	141	13.5	16.1	4.5	23.4	22.4	4.0	25.5	27.4	4.3
Chronic Obstructive Pulmonary Disease	25	8.0	9.4	*	8.0	16.3	*	16.0	21.7	*
Transient Cerebral Ischemia	72	2.8	2.0	1.7	5.6	4.1	3.3	11.1	6.3	5.5
Stroke	117	18.8	19.3	4.3	25.6	25.7	4.1	31.6	30.5	5.0
Hip Fracture	91	6.6	5.3	2.6	12.1	10.1	3.7	16.5	13.4	5.5
Sepsis	26	46.2	27.6	*	57.7	35.9	*	57.7	42.5	*
PROCEDURES:										
Angioplasty	1	0.0	0.7	*	0.0	1.1	*	0.0	1.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	38	0.0	2.9	*	2.6	6.3	*	5.3	9.6	*
Carotid Endarterectomy	13	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	54	3.7	4.3	2.8	9.3	8.5	3.8	14.8	11.4	5.3
Open Reduction of Hip Fracture	52	3.8	4.5	3.1	5.8	9.0	6.1	7.7	12.3	8.3
Prostatectomy	94	1.1	1.2	1.7	3.2	2.9	2.6	6.4	4.9	3.3
Cholecystectomy	65	3.1	2.2	2.3	3.1	3.9	2.7	3.1	5.0	3.2
Hysterectomy	27	3.7	0.6	*	3.7	1.4	*	3.7	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

RICHMOND HEIGHTS GENERAL HOSPITAL

27100 Chardon Road
Richmond Heights, OH 44143

Medicare Provider Number: 360162

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,135	7.1	8.0	1.2	12.0	12.6	1.7	15.0	16.3	2.2
CONDITIONS:										
Acute Myocardial Infarction	20	35.0	25.8	*	35.0	29.0	*	35.0	32.1	*
Congestive Heart Failure	72	8.3	13.5	5.6	13.9	21.2	8.4	19.4	27.9	9.5
Pneumonia/Influenza	58	13.8	15.3	5.4	22.4	21.4	5.9	22.4	25.8	7.0
Chronic Obstructive Pulmonary Disease	23	0.0	5.4	*	0.0	10.1	*	4.3	14.3	*
Transient Cerebral Ischemia	17	0.0	2.3	*	0.0	5.2	*	0.0	8.3	*
Stroke	42	11.9	17.4	*	14.3	24.9	*	23.8	29.6	*
Hip Fracture	16	6.3	5.6	*	6.3	10.5	*	6.3	14.3	*
Sepsis	7	42.9	30.7	*	71.4	38.7	*	71.4	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.1	*	0.0	4.4	*	0.0	6.5	*
Carotid Endarterectomy	8	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction	10	0.0	4.6	*	0.0	9.4	*	0.0	13.2	*
Open Reduction of Hip Fracture	5	0.0	4.9	*	0.0	9.1	*	0.0	12.0	*
Prostatectomy	30	0.0	1.5	*	0.0	3.6	*	3.3	6.1	*
Cholecystectomy	15	0.0	3.4	*	6.7	5.9	*	6.7	7.3	*
Hysterectomy	2	0.0	0.9	*	0.0	1.9	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	138
Occupancy Rate	45
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	128
Percent of Physicians Board Certified Specialists	59
Medical Residents/Interns	22
Registered Nurses	63
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RICHMOND HEIGHTS GENERAL HOSPITAL

Medicare Provider Number: 360162

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,190	7.3	8.4	1.2	11.9	13.1	1.5	15.1	16.9	1.6
CONDITIONS:										
Acute Myocardial Infarction	23	34.8	28.0	*	34.8	31.2	*	39.1	34.4	*
Congestive Heart Failure	74	13.5	15.0	4.5	23.0	23.3	5.2	32.4	29.9	6.1
Pneumonia/Influenza	61	6.6	14.3	6.2	16.4	19.9	5.9	19.7	24.3	6.0
Chronic Obstructive Pulmonary Disease	25	8.0	6.7	*	12.0	12.3	*	16.0	16.9	*
Transient Cerebral Ischemia	23	8.7	2.1	*	13.0	4.9	*	13.0	7.9	*
Stroke	57	17.5	19.1	5.3	26.3	27.0	7.7	26.3	32.1	8.7
Hip Fracture	16	6.3	7.3	*	18.8	13.3	*	18.8	17.2	*
Sepsis	13	15.4	31.2	*	23.1	37.7	*	23.1	43.3	*
PROCEDURES:										
Angioplasty	2	50.0	4.5	*	50.0	8.9	*	50.0	11.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.0	*	0.0	3.6	*	0.0	5.4	*
Carotid Endarterectomy	4	0.0	2.0	*	0.0	4.1	*	0.0	6.2	*
Hip Replacement/Reconstruction	8	0.0	5.0	*	12.5	10.2	*	12.5	14.1	*
Open Reduction of Hip Fracture	9	0.0	4.6	*	11.1	8.4	*	11.1	11.0	*
Prostatectomy	34	2.9	1.9	*	2.9	4.6	*	8.8	7.6	*
Cholecystectomy	18	5.6	2.1	*	5.6	3.7	*	5.6	4.7	*
Hysterectomy	3	0.0	1.0	*	0.0	1.7	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,354	7.6	7.9	1.0	11.7	12.1	1.2	14.1	15.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	31	19.4	26.6	*	22.6	29.4	*	25.8	32.3	*
Congestive Heart Failure	68	19.1	14.1	5.9	26.5	22.3	7.7	32.4	29.2	8.2
Pneumonia/Influenza	72	13.9	14.4	4.4	22.2	20.0	5.6	22.2	24.7	6.4
Chronic Obstructive Pulmonary Disease	30	6.7	8.0	*	6.7	13.2	*	10.0	17.4	*
Transient Cerebral Ischemia	24	4.2	1.3	*	4.2	2.6	*	8.3	4.0	*
Stroke	44	15.9	20.1	*	20.5	26.9	*	22.7	31.4	*
Hip Fracture	24	12.5	6.3	*	20.8	11.3	*	25.0	14.5	*
Sepsis	14	28.6	35.5	*	42.9	45.2	*	42.9	52.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	5.0	*	16.7	8.0	*	16.7	10.1	*
Carotid Endarterectomy	8	0.0	1.4	*	12.5	2.6	*	12.5	4.0	*
Hip Replacement/Reconstruction	7	0.0	5.4	*	14.3	10.5	*	14.3	14.1	*
Open Reduction of Hip Fracture	13	15.4	5.6	*	23.1	10.4	*	30.8	13.4	*
Prostatectomy	47	4.3	1.6	*	4.3	4.0	*	4.3	6.7	*
Cholecystectomy	15	0.0	2.0	*	0.0	3.2	*	0.0	3.9	*
Hysterectomy	5	0.0	1.5	*	0.0	3.0	*	20.0	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RIVERSIDE HOSPITAL

1600 Superior Street
Toledo, OH 43604

Medicare Provider Number: 360094

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,476	8.1	8.2	1.4	12.1	12.9	1.4	15.9	16.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	46	21.7	22.7	*	23.9	25.5	*	23.9	28.6	*
Congestive Heart Failure	94	7.4	13.0	4.3	11.7	20.6	5.8	18.1	26.9	6.2
Pneumonia/Influenza	57	12.3	15.8	7.3	17.5	21.8	8.0	21.1	26.2	8.9
Chronic Obstructive Pulmonary Disease	59	1.7	6.6	4.2	6.8	11.9	5.6	8.5	16.3	6.3
Transient Cerebral Ischemia	35	5.7	2.4	*	5.7	5.5	*	8.6	8.8	*
Stroke	24	16.7	21.9	*	29.2	28.2	*	41.7	32.5	*
Hip Fracture	12	0.0	5.4	*	0.0	10.5	*	0.0	14.3	*
Sepsis	26	15.4	26.4	*	34.6	37.1	*	38.5	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	6.5	*	0.0	13.3	*	11.1	17.9	*
Carotid Endarterectomy	15	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	8	0.0	1.9	*	0.0	3.8	*	0.0	5.2	*
Open Reduction of Hip Fracture	3	0.0	7.5	*	0.0	15.5	*	0.0	21.5	*
Prostatectomy	30	6.7	1.3	*	10.0	2.9	*	10.0	4.6	*
Cholecystectomy	29	3.4	3.0	*	6.9	5.8	*	6.9	7.9	*
Hysterectomy	11	9.1	0.4	*	9.1	0.9	*	9.1	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 254
Occupancy Rate 58
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 147
Percent of Physicians Board Certified Specialists 56
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

RIVERSIDE HOSPITAL

Medicare Provider Number: 360094

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,526	6.9	8.8	1.0	11.9	13.9	1.3	14.9	17.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	49	16.3	27.2	*	20.4	30.5	*	30.6	34.2	*
Congestive Heart Failure	106	15.1	15.7	4.2	22.6	24.2	4.9	28.3	31.1	7.4
Pneumonia/Influenza	42	9.5	16.5	*	19.0	23.0	*	19.0	28.0	*
Chronic Obstructive Pulmonary Disease	42	2.4	6.7	*	14.3	12.0	*	19.0	16.5	*
Transient Cerebral Ischemia	44	0.0	2.0	*	2.3	4.3	*	2.3	6.8	*
Stroke	40	12.5	19.8	*	15.0	27.3	*	22.5	32.1	*
Hip Fracture	25	0.0	7.6	*	4.0	13.6	*	12.0	17.6	*
Sepsis	16	18.8	29.8	*	25.0	38.2	*	25.0	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	5.5	*	5.6	8.4	*	11.1	11.2	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	13	7.7	4.7	*	15.4	8.7	*	15.4	11.5	*
Open Reduction of Hip Fracture	18	0.0	6.0	*	5.6	11.5	*	16.7	15.4	*
Prostatectomy	29	0.0	1.2	*	0.0	2.8	*	3.4	4.7	*
Cholecystectomy	15	0.0	2.4	*	6.7	4.4	*	6.7	5.7	*
Hysterectomy	5	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,456	8.7	7.9	1.0	15.0	12.3	1.7	18.1	15.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	45	40.0	27.2	*	46.7	30.5	*	51.1	34.0	*
Congestive Heart Failure	81	9.9	14.7	6.0	22.2	22.5	6.4	25.9	29.0	6.3
Pneumonia/Influenza	43	14.0	15.5	*	30.2	21.3	*	37.2	25.8	*
Chronic Obstructive Pulmonary Disease	35	11.4	6.4	*	20.0	11.5	*	22.9	15.6	*
Transient Cerebral Ischemia	43	2.3	1.7	*	7.0	3.6	*	9.3	5.6	*
Stroke	49	20.4	21.1	*	28.6	28.0	*	34.7	32.5	*
Hip Fracture	22	9.1	7.5	*	22.7	13.7	*	36.4	17.7	*
Sepsis	6	16.7	44.8	*	16.7	56.0	*	16.7	63.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	4.0	*	7.1	8.0	*	7.1	11.7	*
Carotid Endarterectomy	12	0.0	1.5	*	8.3	3.0	*	8.3	4.5	*
Hip Replacement/Reconstruction	8	0.0	4.4	*	12.5	9.7	*	25.0	14.4	*
Open Reduction of Hip Fracture	14	7.1	7.3	*	21.4	13.8	*	35.7	17.9	*
Prostatectomy	29	3.4	1.0	*	3.4	2.4	*	3.4	4.2	*
Cholecystectomy	18	5.6	3.0	*	5.6	5.2	*	5.6	6.8	*
Hysterectomy	7	0.0	1.2	*	0.0	2.9	*	0.0	4.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

RIVERSIDE METHODIST HOSPITAL

3535 Olentangy River Rd
Columbus, OH 43214

Medicare Provider Number: 360006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,328	7.9	7.9	0.4	12.1	12.1	0.5	15.4	15.6	0.5
CONDITIONS:										
Acute Myocardial Infarction	202	21.3	26.0	6.4	24.8	28.9	5.9	28.7	32.0	5.4
Congestive Heart Failure	293	17.7	15.1	4.3	26.3	23.0	5.6	34.1	29.5	5.9
Pneumonia/Influenza	182	12.1	16.9	4.6	15.9	22.6	5.4	21.4	27.0	5.1
Chronic Obstructive Pulmonary Disease	55	12.7	10.7	6.2	18.2	16.6	5.2	20.0	21.7	5.7
Transient Cerebral Ischemia	118	0.8	1.8	1.3	2.5	3.9	2.1	3.4	6.2	3.1
Stroke	184	18.5	22.6	3.9	23.4	28.9	4.8	26.1	33.2	5.7
Hip Fracture	170	4.1	7.6	2.8	7.1	13.3	4.2	10.6	16.9	4.3
Sepsis	59	28.8	25.7	8.2	35.6	32.0	7.3	37.3	37.1	6.3
PROCEDURES:										
Angioplasty	261	3.1	3.0	1.2	3.8	3.9	1.5	3.8	5.1	2.2
Coronary Artery Bypass Graft	310	7.7	5.8	2.1	10.0	8.2	2.2	11.0	9.8	2.2
Initial Pacemaker Insertion	39	10.3	4.7	*	10.3	8.6	*	10.3	12.2	*
Carotid Endarterectomy	31	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	164	0.6	2.1	1.4	1.8	4.0	2.0	4.3	5.4	2.7
Open Reduction of Hip Fracture	79	2.5	6.9	3.9	5.1	12.6	5.4	8.9	16.2	5.7
Prostatectomy	245	0.4	0.9	1.2	2.4	2.2	1.6	4.9	3.7	2.0
Cholecystectomy	138	2.2	2.5	2.0	2.9	4.6	3.3	3.6	6.1	4.1
Hysterectomy	53	0.0	0.7	1.4	1.9	1.6	1.8	1.9	2.5	2.2

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	876
Occupancy Rate	83
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	522
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	131
Registered Nurses	1,010
Licensed Practical Nurses	92

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

RIVERSIDE METHODIST HOSPITAL

Medicare Provider Number: 360006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,049	7.7	8.5	0.5	11.8	13.0	0.5	15.2	16.4	0.5
CONDITIONS:										
Acute Myocardial Infarction	239	25.9	29.9	4.2	30.1	33.0	3.8	33.5	36.2	3.8
Congestive Heart Failure	300	15.3	16.6	3.4	24.0	24.9	3.1	31.0	31.7	2.8
Pneumonia/Influenza	168	12.5	17.4	4.6	17.3	23.3	5.7	22.0	27.9	5.4
Chronic Obstructive Pulmonary Disease	53	9.4	11.1	5.0	17.0	17.5	6.7	22.6	22.5	5.9
Transient Cerebral Ischemia	135	3.7	2.1	2.2	7.4	4.4	3.8	8.9	6.8	4.4
Stroke	167	19.2	23.6	4.6	26.9	30.6	4.1	32.3	35.2	4.1
Hip Fracture	163	3.7	7.7	3.9	9.2	13.5	4.8	13.5	16.9	4.1
Sepsis	40	30.0	29.2	*	42.5	38.3	*	47.5	44.5	*
PROCEDURES:										
Angioplasty	201	3.0	3.7	1.5	4.0	4.8	2.1	5.5	5.9	2.1
Coronary Artery Bypass Graft	292	4.1	6.7	2.1	6.5	9.3	2.1	8.9	10.9	2.0
Initial Pacemaker Insertion	45	6.7	5.3	*	8.9	8.9	*	11.1	12.3	*
Carotid Endarterectomy	32	3.1	1.4	*	3.1	2.6	*	3.1	3.9	*
Hip Replacement/Reconstruction	175	2.3	2.8	1.3	5.1	5.2	1.7	6.9	6.8	2.0
Open Reduction of Hip Fracture	80	5.0	6.6	3.2	7.5	12.1	5.8	11.2	15.5	5.9
Prostatectomy	233	0.9	1.1	0.7	1.3	2.3	1.3	3.9	3.5	1.3
Cholecystectomy	134	3.7	3.2	2.0	6.7	5.6	2.3	7.5	7.3	2.3
Hysterectomy	59	0.0	0.8	1.4	0.0	1.6	2.3	1.7	2.4	2.2

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,947	8.1	8.7	0.4	12.4	13.1	0.6	15.8	16.6	0.5
CONDITIONS:										
Acute Myocardial Infarction	224	23.2	28.4	4.1	25.0	31.3	4.3	28.6	34.4	4.3
Congestive Heart Failure	282	17.7	17.4	2.3	27.7	25.8	3.2	35.5	32.7	4.1
Pneumonia/Influenza	164	16.5	17.5	3.1	21.3	23.4	4.4	25.0	28.0	5.7
Chronic Obstructive Pulmonary Disease	91	14.3	12.2	3.7	23.1	19.0	4.6	30.8	24.2	6.8
Transient Cerebral Ischemia	148	1.4	2.0	1.3	2.7	3.9	1.9	5.4	6.0	2.2
Stroke	165	20.0	25.1	5.8	27.9	32.0	5.3	33.9	36.5	4.4
Hip Fracture	148	4.7	8.4	2.6	8.8	14.7	3.6	12.2	18.5	3.8
Sepsis	46	34.8	33.8	*	47.8	43.3	*	52.2	49.6	*
PROCEDURES:										
Angioplasty	142	0.7	4.3	2.4	2.1	5.4	2.6	2.8	6.5	2.8
Coronary Artery Bypass Graft	246	3.3	6.0	2.3	4.9	8.0	2.4	6.5	9.3	2.4
Initial Pacemaker Insertion	42	2.4	4.1	*	4.8	7.7	*	7.1	10.7	*
Carotid Endarterectomy	56	0.0	1.8	2.4	0.0	3.3	3.7	1.8	4.7	3.8
Hip Replacement/Reconstruction	150	2.0	3.1	1.7	5.3	6.0	2.9	6.0	8.0	3.3
Open Reduction of Hip Fracture	75	4.0	7.5	3.5	6.7	13.5	5.2	13.3	17.1	4.8
Prostatectomy	220	1.4	1.0	0.8	1.8	2.4	1.2	2.7	4.0	2.2
Cholecystectomy	121	3.3	3.2	1.8	3.3	5.7	3.0	6.6	7.4	2.8
Hysterectomy	68	1.5	0.9	1.7	1.5	2.1	2.6	1.5	3.2	3.9

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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RIVERSIDE METHODIST HOSPITALS

ERIE CHAPMAN, JD
President and
Chief Executive Officer

a U.S. Health affiliate

3535 Olentangy River Rd.
Columbus, Ohio 43214

Telephone
(614) 261-5000

January 11, 1991

Health Care Financing Administration
Health Standards & Quality Bureau
ATTN: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare Provider #
360006

Dear Ms. Kappert:

Riverside Methodist Hospitals, its Board of Directors, Administration and Medical Staff are committed to the continuous provision of excellent health care services to the communities we serve. We support provision of reliable information to the health care consumers so that they may make informed choices concerning their health care needs. We encourage the development of meaningful measures of health care quality. The release of mortality information by HCFA, however, continues to fall short in meeting this objective.

We caution the reviewer of the HCFA Medicare Mortality Information against using these statistics to make judgements about the quality of care at Riverside Methodist Hospitals or any other provider institution. Several recent articles have pointed out that despite the many adjustments made in projecting mortality based on severity of illness, there remain many factors which are unmeasured. Current methods, therefore, cannot establish why rates differ among hospitals or within a single hospital from year to year.

We believe that significant efforts have been made in the past years to improve the validity of HCFA information. We applaud these efforts and encourage continuing improvements, including further actions which will produce appropriate adjustments in the data to reflect the impact of severity of illness on mortality.

We join with other U.S. Health affiliated hospitals in our commitment to patient care excellence and to the provision of meaningful health care information to the public we serve.

Sincerely,

Erie Chapman, JD
President and Chief Executive Officer

ROBINSON MEMORIAL HOSPITAL

6847 N Chestnut
Ravenna, OH 44266

Medicare Provider Number: 360078

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,958	7.7	8.7	1.1	11.7	13.0	1.3	15.2	16.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	57	15.8	28.6	7.7	24.6	31.4	8.1	24.6	34.5	7.3
Congestive Heart Failure	93	10.8	14.2	5.6	12.9	21.7	6.9	18.3	28.2	7.9
Pneumonia/Influenza	92	13.0	16.4	4.7	21.7	22.5	5.8	21.7	26.9	7.6
Chronic Obstructive Pulmonary Disease	56	10.7	6.7	6.7	16.1	12.2	5.4	21.4	17.2	6.2
Transient Cerebral Ischemia	49	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke	79	21.5	19.4	5.1	25.3	25.9	6.1	31.6	30.3	5.9
Hip Fracture	61	9.8	8.2	4.4	16.4	14.1	6.7	18.0	17.9	8.0
Sepsis	25	36.0	23.6	*	44.0	30.7	*	48.0	35.7	*
PROCEDURES:										
Angioplasty	2	0.0	11.7	*	0.0	12.8	*	0.0	14.1	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.4	*	0.0	4.8	*	20.0	7.2	*
Carotid Endarterectomy	11	0.0	1.4	*	9.1	2.5	*	9.1	3.6	*
Hip Replacement/Reconstruction	28	7.1	5.2	*	10.7	9.6	*	14.3	12.4	*
Open Reduction of Hip Fracture	34	8.8	7.6	*	17.6	13.7	*	17.6	17.5	*
Prostatectomy	44	0.0	0.8	*	2.3	1.9	*	2.3	3.2	*
Cholecystectomy	37	0.0	2.1	*	2.7	3.5	*	2.7	4.5	*
Hysterectomy	6	0.0	1.3	*	0.0	2.5	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 285
Occupancy Rate 54
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 118
Percent of Physicians Board Certified Specialists 61
Medical Residents/Interns 29
Registered Nurses 267
Licensed Practical Nurses 72

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ROBINSON MEMORIAL HOSPITAL

Medicare Provider Number: 360078

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,863	8.9	9.7	1.2	12.9	14.1	1.4	16.2	17.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	69	23.2	31.3	9.1	27.5	34.3	9.1	29.0	37.7	10.7
Congestive Heart Failure	109	14.7	15.6	5.0	19.3	23.0	7.0	24.8	29.4	8.3
Pneumonia/Influenza	72	16.7	18.1	5.9	25.0	24.1	7.1	31.9	28.5	8.6
Chronic Obstructive Pulmonary Disease	31	9.7	7.4	*	16.1	12.7	*	19.4	17.1	*
Transient Cerebral Ischemia	36	2.8	1.9	*	5.6	4.1	*	8.3	6.3	*
Stroke	85	14.1	22.4	6.3	21.2	29.1	6.2	24.7	33.7	6.3
Hip Fracture	50	6.0	7.7	*	14.0	13.4	*	14.0	16.8	*
Sepsis	22	22.7	29.7	*	27.3	38.1	*	27.3	44.4	*
PROCEDURES:										
Angioplasty	7	0.0	12.4	*	0.0	13.6	*	0.0	15.0	*
Coronary Artery Bypass Graft	1	0.0	2.9	*	0.0	4.6	*	0.0	5.6	*
Initial Pacemaker Insertion	5	20.0	7.8	*	20.0	10.3	*	20.0	12.5	*
Carotid Endarterectomy	6	16.7	1.6	*	16.7	3.0	*	16.7	4.4	*
Hip Replacement/Reconstruction	19	5.3	4.9	*	10.5	9.2	*	10.5	11.9	*
Open Reduction of Hip Fracture	23	8.7	7.6	*	13.0	13.7	*	13.0	17.4	*
Prostatectomy	33	0.0	0.9	*	3.0	2.1	*	3.0	3.4	*
Cholecystectomy	38	0.0	2.5	*	7.9	4.7	*	10.5	6.4	*
Hysterectomy	15	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,812	9.3	9.8	0.8	13.4	14.3	1.0	16.2	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	60	36.7	33.2	10.5	40.0	36.4	10.2	41.7	39.8	8.4
Congestive Heart Failure	104	20.2	16.4	6.0	27.9	24.1	6.9	31.7	30.7	5.5
Pneumonia/Influenza	82	13.4	14.8	5.4	17.1	20.1	5.4	22.0	24.5	5.7
Chronic Obstructive Pulmonary Disease	29	10.3	11.7	*	10.3	18.4	*	13.8	23.3	*
Transient Cerebral Ischemia	38	0.0	1.9	*	0.0	3.7	*	5.3	5.7	*
Stroke	82	15.9	20.9	6.8	19.5	27.8	8.9	23.2	32.1	10.3
Hip Fracture	52	5.8	7.6	3.8	9.6	13.2	5.3	13.5	16.7	5.6
Sepsis	25	20.0	32.0	*	36.0	40.3	*	48.0	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.8	*	6.7	7.8	*	6.7	11.7	*
Carotid Endarterectomy	21	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	21	4.8	5.3	*	14.3	9.5	*	14.3	12.2	*
Open Reduction of Hip Fracture	29	0.0	7.2	*	0.0	13.1	*	6.9	16.8	*
Prostatectomy	43	0.0	0.9	*	2.3	2.2	*	4.7	3.7	*
Cholecystectomy	28	7.1	3.5	*	10.7	6.4	*	10.7	8.4	*
Hysterectomy	10	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SALEM COMMUNITY HOSPITAL

1995 East State Street
Salem, OH 44460

Medicare Provider Number: 360185

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,831	10.0	9.1	1.1	14.2	13.7	1.0	17.4	17.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	79	26.6	30.1	5.8	27.8	33.2	6.4	29.1	36.6	7.6
Congestive Heart Failure	120	17.5	15.1	6.4	26.7	23.3	5.8	34.2	30.1	7.3
Pneumonia/Influenza	90	14.4	15.0	4.5	16.7	20.2	6.0	17.8	24.4	8.0
Chronic Obstructive Pulmonary Disease	14	0.0	6.7	*	0.0	11.9	*	0.0	16.8	*
Transient Cerebral Ischemia	38	5.3	1.9	*	13.2	4.1	*	15.8	6.6	*
Stroke	77	32.5	21.2	6.8	42.9	28.5	8.0	45.5	33.3	8.0
Hip Fracture	52	5.8	8.4	4.9	9.6	14.4	7.5	13.5	18.0	8.8
Sepsis	19	31.6	27.8	*	42.1	35.8	*	47.4	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	7.7	*	5.0	11.3	*	5.0	13.9	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	17	11.8	5.0	*	11.8	8.6	*	11.8	10.7	*
Open Reduction of Hip Fracture	32	3.1	7.9	*	9.4	14.0	*	12.5	17.6	*
Prostatectomy	91	2.2	0.8	1.5	3.3	2.0	2.0	4.4	3.5	2.4
Cholecystectomy	57	0.0	2.9	3.3	1.8	4.8	4.6	3.5	6.1	5.1
Hysterectomy	16	0.0	0.4	*	0.0	1.0	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 237
Occupancy Rate 49
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 61
Percent of Physicians Board Certified Specialists 69
Medical Residents/Interns 0
Registered Nurses 150
Licensed Practical Nurses 90

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SALEM COMMUNITY HOSPITAL

Medicare Provider Number: 360185

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,848	11.1	10.2	0.9	15.0	15.1	0.9	17.8	18.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	87	24.1	29.3	7.1	25.3	32.5	8.5	26.4	36.0	10.2
Congestive Heart Failure	114	29.8	17.4	5.3	34.2	26.3	5.2	41.2	33.5	5.0
Pneumonia/Influenza	86	16.3	17.8	4.7	19.8	23.7	6.6	20.9	28.3	8.2
Chronic Obstructive Pulmonary Disease	20	15.0	11.6	*	20.0	17.5	*	25.0	21.7	*
Transient Cerebral Ischemia	49	2.0	2.5	*	6.1	5.3	*	6.1	8.3	*
Stroke	80	22.5	23.8	4.8	32.5	31.1	5.9	38.7	35.9	5.6
Hip Fracture	51	2.0	7.1	5.3	7.8	12.2	6.5	11.8	15.4	5.9
Sepsis	18	22.2	26.6	*	27.8	32.9	*	27.8	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	5.2	*	20.0	8.8	*	20.0	11.9	*
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	24	0.0	3.8	*	0.0	6.7	*	4.2	8.6	*
Open Reduction of Hip Fracture	24	0.0	5.4	*	4.2	9.9	*	8.3	12.8	*
Prostatectomy	65	0.0	1.4	1.9	4.6	3.2	4.0	4.6	5.2	3.6
Cholecystectomy	44	6.8	2.8	*	6.8	4.8	*	9.1	6.1	*
Hysterectomy	17	5.9	0.7	*	5.9	1.4	*	5.9	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,000	10.4	9.8	0.8	14.5	14.6	0.8	17.6	18.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	105	36.2	32.9	9.1	41.0	35.7	8.9	42.9	38.8	7.9
Congestive Heart Failure	134	21.6	17.8	4.0	26.9	26.4	3.8	32.8	33.5	4.1
Pneumonia/Influenza	89	11.2	17.7	5.8	21.3	23.7	4.8	23.6	28.4	5.6
Chronic Obstructive Pulmonary Disease	18	0.0	8.5	*	5.6	13.8	*	16.7	18.3	*
Transient Cerebral Ischemia	64	3.1	2.2	3.7	9.4	4.9	5.4	10.9	7.8	5.5
Stroke	72	23.6	21.8	5.4	27.8	29.9	5.8	31.9	34.8	6.9
Hip Fracture	45	6.7	7.9	*	11.1	13.3	*	13.3	16.7	*
Sepsis	21	33.3	28.6	*	42.9	39.3	*	47.6	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	5.9	*	10.5	9.1	*	21.1	11.7	*
Carotid Endarterectomy	7	0.0	1.5	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	18	11.1	6.6	*	11.1	11.2	*	11.1	13.9	*
Open Reduction of Hip Fracture	27	0.0	5.4	*	7.4	10.0	*	11.1	13.0	*
Prostatectomy	75	0.0	0.7	1.4	0.0	1.8	2.5	1.3	3.0	2.6
Cholecystectomy	36	5.6	2.9	*	11.1	5.3	*	11.1	7.1	*
Hysterectomy	22	4.5	0.6	*	4.5	1.2	*	4.5	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SAMARITAN HOSPITAL

1025 Center St
Ashland, OH 44805

Medicare Provider Number: 360002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	669	10.8	8.5	1.7	16.4	13.1	2.1	18.2	16.8	2.1
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	18.8	*	36.0	22.4	*	40.0	25.8	*
Congestive Heart Failure	59	15.3	12.8	6.7	23.7	19.7	6.5	28.8	25.8	7.2
Pneumonia/Influenza	26	23.1	16.1	*	30.8	21.8	*	30.8	26.2	*
Chronic Obstructive Pulmonary Disease	15	0.0	8.7	*	20.0	15.2	*	20.0	20.6	*
Transient Cerebral Ischemia	10	0.0	1.7	*	10.0	3.6	*	10.0	5.7	*
Stroke	18	33.3	19.4	*	44.4	27.4	*	50.0	32.2	*
Hip Fracture	27	7.4	5.4	*	14.8	9.8	*	14.8	12.7	*
Sepsis	7	42.9	26.0	*	57.1	34.4	*	57.1	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	3.3	*	0.0	7.0	*	0.0	11.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	1.4	*	20.0	2.6	*	20.0	3.7	*
Open Reduction of Hip Fracture	20	5.0	4.9	*	10.0	9.4	*	10.0	12.5	*
Prostatectomy	27	0.0	0.5	*	0.0	1.2	*	0.0	2.1	*
Cholecystectomy	16	0.0	2.8	*	6.3	5.3	*	12.5	7.1	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 65
Occupancy Rate 49
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 35
Percent of Physicians Board Certified Specialists 66
Medical Residents/Interns 0
Registered Nurses 51
Licensed Practical Nurses 24

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SAMARITAN HOSPITAL

Medicare Provider Number: 360002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	826	8.6	9.3	1.1	13.1	13.6	1.7	15.6	17.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	45	24.4	25.7	*	33.3	29.8	*	35.6	33.7	*
Congestive Heart Failure	40	20.0	16.0	*	32.5	24.0	*	35.0	30.7	*
Pneumonia/Influenza	30	26.7	17.5	*	36.7	24.4	*	36.7	29.4	*
Chronic Obstructive Pulmonary Disease	15	0.0	9.4	*	6.7	15.2	*	20.0	20.3	*
Transient Cerebral Ischemia	15	6.7	2.1	*	6.7	4.7	*	13.3	7.5	*
Stroke	28	14.3	24.5	*	17.9	31.7	*	21.4	36.7	*
Hip Fracture	23	4.3	7.0	*	4.3	12.4	*	4.3	15.7	*
Sepsis	12	25.0	26.3	*	25.0	34.4	*	33.3	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.5	*	0.0	7.2	*	0.0	11.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	4.0	*	0.0	7.6	*	0.0	9.9	*
Open Reduction of Hip Fracture	11	9.1	7.1	*	9.1	12.7	*	9.1	16.2	*
Prostatectomy	39	0.0	0.3	*	0.0	0.8	*	0.0	1.3	*
Cholecystectomy	13	0.0	2.9	*	0.0	5.5	*	7.7	7.2	*
Hysterectomy	13	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	769	10.0	9.1	1.3	13.5	13.2	1.3	16.5	16.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	57	33.3	24.3	9.3	38.6	28.2	9.5	38.6	31.9	8.0
Congestive Heart Failure	35	20.0	13.5	*	31.4	20.5	*	42.9	26.7	*
Pneumonia/Influenza	25	4.0	15.4	*	16.0	21.1	*	16.0	25.5	*
Chronic Obstructive Pulmonary Disease	17	5.9	10.2	*	5.9	16.4	*	5.9	21.1	*
Transient Cerebral Ischemia	13	15.4	2.4	*	15.4	5.1	*	15.4	8.0	*
Stroke	29	24.1	19.2	*	27.6	25.5	*	34.5	30.1	*
Hip Fracture	24	4.2	5.3	*	12.5	9.9	*	12.5	13.1	*
Sepsis	12	25.0	23.8	*	25.0	32.3	*	25.0	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.9	*	20.0	5.6	*	40.0	8.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	6.7	3.4	*	13.3	6.2	*	13.3	7.9	*
Open Reduction of Hip Fracture	17	5.9	4.3	*	11.8	8.6	*	11.8	11.6	*
Prostatectomy	31	3.2	0.6	*	6.5	1.5	*	6.5	2.6	*
Cholecystectomy	22	0.0	1.9	*	0.0	3.3	*	0.0	4.3	*
Hysterectomy	8	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SELBY GENERAL HOSPITAL

1106 Colegate Dr
Marietta, OH 45750

Medicare Provider Number: 360178

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	275	8.0	8.6	1.9	11.3	12.9	2.8	12.7	16.5	3.3
CONDITIONS:										
Acute Myocardial Infarction	15	6.7	28.4	*	6.7	32.1	*	13.3	35.7	*
Congestive Heart Failure	15	20.0	10.1	*	20.0	16.5	*	20.0	22.5	*
Pneumonia/Influenza	17	35.3	14.7	*	35.3	20.3	*	41.2	24.7	*
Chronic Obstructive Pulmonary Disease	5	0.0	3.4	*	20.0	7.5	*	20.0	11.8	*
Transient Cerebral Ischemia	13	0.0	2.0	*	0.0	4.4	*	0.0	7.1	*
Stroke	5	0.0	16.1	*	20.0	21.6	*	20.0	25.8	*
Hip Fracture	6	0.0	7.4	*	0.0	13.2	*	0.0	17.1	*
Sepsis	5	40.0	31.0	*	60.0	38.6	*	60.0	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	6.6	*	0.0	9.4	*	0.0	11.2	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	7	0.0	2.6	*	0.0	5.5	*	0.0	8.2	*
Open Reduction of Hip Fracture	3	0.0	9.2	*	0.0	17.3	*	0.0	22.6	*
Prostatectomy	0									
Cholecystectomy	8	0.0	3.0	*	0.0	5.0	*	0.0	6.3	*
Hysterectomy	1	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 76
Occupancy Rate 26
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 24
Percent of Physicians Board Certified Specialists 13
Medical Residents/Interns 2
Registered Nurses 33
Licensed Practical Nurses 30

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SELBY GENERAL HOSPITAL

Medicare Provider Number: 360178

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	300	12.3	9.7	2.6	13.7	14.0	2.3	17.0	17.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	15	53.3	34.7	*	53.3	39.2	*	60.0	43.2	*
Congestive Heart Failure	19	15.8	16.1	*	26.3	24.3	*	36.8	30.9	*
Pneumonia/Influenza	24	20.8	17.8	*	20.8	23.6	*	25.0	28.3	*
Chronic Obstructive Pulmonary Disease	6	33.3	12.7	*	33.3	20.2	*	33.3	25.9	*
Transient Cerebral Ischemia	10	0.0	2.0	*	0.0	4.3	*	0.0	6.8	*
Stroke	13	15.4	21.3	*	15.4	28.1	*	15.4	32.8	*
Hip Fracture	8	25.0	7.3	*	37.5	12.9	*	37.5	16.4	*
Sepsis	1	100.0	44.4	*	100.0	50.6	*	100.0	58.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	2.0	*	0.0	3.5	*	0.0	5.0	*
Hip Replacement/Reconstruction	7	0.0	4.0	*	14.3	7.7	*	14.3	10.1	*
Open Reduction of Hip Fracture	2	100.0	8.6	*	100.0	15.0	*	100.0	18.4	*
Prostatectomy	0									
Cholecystectomy	5	20.0	4.2	*	20.0	8.3	*	20.0	11.1	*
Hysterectomy	3	0.0	2.0	*	0.0	4.4	*	0.0	6.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	284	13.7	10.5	3.5	19.0	15.7	4.0	22.5	19.8	4.0
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	22.1	*	29.4	25.4	*	41.2	28.8	*
Congestive Heart Failure	17	11.8	18.1	*	29.4	27.5	*	35.3	34.9	*
Pneumonia/Influenza	15	6.7	13.8	*	6.7	18.3	*	6.7	22.2	*
Chronic Obstructive Pulmonary Disease	4	0.0	17.9	*	0.0	26.9	*	25.0	32.9	*
Transient Cerebral Ischemia	12	16.7	2.0	*	16.7	4.3	*	16.7	6.7	*
Stroke	13	23.1	27.6	*	46.2	35.8	*	46.2	41.1	*
Hip Fracture	11	27.3	10.8	*	27.3	18.8	*	27.3	23.5	*
Sepsis	3	33.3	15.7	*	33.3	20.7	*	33.3	25.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	1.6	*	0.0	3.7	*	16.7	5.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	8.8	*	50.0	15.7	*	50.0	19.5	*
Open Reduction of Hip Fracture	9	22.2	9.5	*	22.2	17.7	*	22.2	22.7	*
Prostatectomy	0									
Cholecystectomy	4	0.0	6.9	*	0.0	13.8	*	0.0	18.7	*
Hysterectomy	2	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SHELBY MEMORIAL HOSPITAL

Morris Road
Shelby, OH 44875

Medicare Provider Number: 360135

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	337	9.8	9.2	1.7	15.1	13.9	2.1	17.8	17.6	2.1
CONDITIONS:										
Acute Myocardial Infarction	6	16.7	29.8	*	16.7	32.8	*	16.7	36.3	*
Congestive Heart Failure	18	16.7	17.1	*	22.2	25.8	*	38.9	32.7	*
Pneumonia/Influenza	25	32.0	17.8	*	40.0	24.0	*	40.0	29.1	*
Chronic Obstructive Pulmonary Disease	5	0.0	6.3	*	0.0	13.8	*	0.0	20.8	*
Transient Cerebral Ischemia	3	0.0	1.6	*	0.0	3.1	*	0.0	4.8	*
Stroke	15	20.0	19.4	*	33.3	25.3	*	33.3	29.7	*
Hip Fracture	13	0.0	6.3	*	0.0	11.3	*	7.7	14.7	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	5.7	*	0.0	10.5	*	0.0	13.7	*
Open Reduction of Hip Fracture	7	0.0	5.8	*	0.0	10.7	*	14.3	14.3	*
Prostatectomy	2	0.0	0.6	*	0.0	1.6	*	0.0	2.9	*
Cholecystectomy	9	11.1	3.8	*	11.1	7.4	*	11.1	10.4	*
Hysterectomy	2	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	68
Occupancy Rate	29
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	65
Percent of Physicians Board Certified Specialists	54
Medical Residents/Interns	0
Registered Nurses	37
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SHELBY MEMORIAL HOSPITAL

Medicare Provider Number: 360135

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	357	11.8	10.4	1.9	14.6	14.9	2.3	17.9	18.6	2.1
CONDITIONS:										
Acute Myocardial Infarction	17	52.9	33.6	*	52.9	37.4	*	52.9	41.4	*
Congestive Heart Failure	22	18.2	15.0	*	22.7	22.6	*	27.3	29.2	*
Pneumonia/Influenza	25	16.0	18.3	*	28.0	24.1	*	28.0	28.9	*
Chronic Obstructive Pulmonary Disease	2	0.0	8.5	*	0.0	13.5	*	0.0	18.1	*
Transient Cerebral Ischemia	1	100.0	2.4	*	100.0	5.1	*	100.0	7.9	*
Stroke	10	40.0	24.9	*	40.0	30.8	*	50.0	35.6	*
Hip Fracture	14	0.0	7.8	*	7.1	13.9	*	21.4	17.6	*
Sepsis	2	50.0	43.8	*	50.0	53.6	*	50.0	62.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	6.3	*	0.0	12.2	*	0.0	15.9	*
Open Reduction of Hip Fracture	9	0.0	7.3	*	11.1	13.2	*	22.2	16.8	*
Prostatectomy	2	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*
Cholecystectomy	11	9.1	5.7	*	9.1	11.9	*	9.1	16.5	*
Hysterectomy	4	0.0	1.8	*	0.0	3.3	*	0.0	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	397	7.8	10.3	2.2	12.6	14.7	2.7	15.9	18.3	2.4
CONDITIONS:										
Acute Myocardial Infarction	13	15.4	31.9	*	23.1	35.9	*	23.1	39.6	*
Congestive Heart Failure	17	11.8	16.5	*	17.6	23.8	*	29.4	30.3	*
Pneumonia/Influenza	30	6.7	14.9	*	10.0	19.8	*	23.3	24.3	*
Chronic Obstructive Pulmonary Disease	13	0.0	7.9	*	0.0	13.0	*	7.7	17.2	*
Transient Cerebral Ischemia	9	0.0	2.4	*	0.0	5.4	*	0.0	8.5	*
Stroke	16	31.3	26.9	*	37.5	33.7	*	37.5	38.6	*
Hip Fracture	16	6.3	7.7	*	12.5	14.2	*	12.5	18.3	*
Sepsis	2	0.0	34.4	*	0.0	39.3	*	0.0	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	5.0	*	20.0	9.5	*	20.0	12.5	*
Open Reduction of Hip Fracture	10	0.0	7.3	*	10.0	14.1	*	10.0	18.6	*
Prostatectomy	4	0.0	0.9	*	0.0	2.4	*	0.0	4.2	*
Cholecystectomy	9	11.1	5.3	*	11.1	10.4	*	11.1	14.1	*
Hysterectomy	1	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTHERN OHIO MEDICAL CENTER

1805 27th Street
Portsmouth, OH 45662

Medicare Provider Number: 360008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,953	11.1	9.9	0.6	15.6	14.8	0.7	19.1	18.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	105	29.5	30.9	4.5	38.1	34.1	5.4	42.9	37.7	5.1
Congestive Heart Failure	167	15.6	16.1	3.0	23.4	24.8	3.8	31.1	31.9	3.7
Pneumonia/Influenza	208	24.5	18.3	4.2	31.3	24.8	4.0	35.1	29.6	3.9
Chronic Obstructive Pulmonary Disease	71	8.5	8.2	3.3	18.3	14.1	6.1	22.5	19.3	7.4
Transient Cerebral Ischemia	70	2.9	2.2	2.0	2.9	4.7	3.2	8.6	7.5	3.7
Stroke	88	21.6	19.7	5.0	28.4	26.2	5.6	28.4	30.6	7.0
Hip Fracture	63	11.1	6.9	4.7	11.1	12.1	4.2	12.7	15.5	6.0
Sepsis	39	41.0	31.0	*	46.2	38.8	*	46.2	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	6.8	*	8.7	11.5	*	8.7	15.3	*
Carotid Endarterectomy	5	0.0	1.9	*	0.0	3.8	*	0.0	5.8	*
Hip Replacement/Reconstruction	34	2.9	3.7	*	2.9	7.0	*	2.9	9.3	*
Open Reduction of Hip Fracture	22	13.6	6.9	*	13.6	12.1	*	13.6	15.4	*
Prostatectomy	65	1.5	1.5	1.5	4.6	3.7	2.5	6.2	6.3	3.9
Cholecystectomy	47	2.1	2.4	*	2.1	4.1	*	4.3	5.1	*
Hysterectomy	32	0.0	0.9	*	0.0	2.1	*	3.1	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 379
Occupancy Rate 64
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 79
Percent of Physicians Board Certified Specialists 66
Medical Residents/Interns 0
Registered Nurses 291
Licensed Practical Nurses 62

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SOUTHERN OHIO MEDICAL CENTER

Medicare Provider Number: 360008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,039	10.8	10.2	0.9	15.7	15.3	0.8	19.1	19.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	59	22.0	30.2	7.9	27.1	33.3	8.1	30.5	36.8	7.4
Congestive Heart Failure	140	17.9	17.3	4.2	29.3	26.3	5.2	37.1	33.4	7.3
Pneumonia/Influenza	98	23.5	17.5	5.9	32.7	23.5	7.9	35.7	28.3	7.1
Chronic Obstructive Pulmonary Disease	30	10.0	6.7	*	10.0	12.3	*	13.3	17.2	*
Transient Cerebral Ischemia	43	2.3	2.4	*	7.0	5.3	*	9.3	8.4	*
Stroke	83	30.1	23.7	5.6	34.9	30.2	5.4	37.3	34.9	5.3
Hip Fracture	58	8.6	6.4	4.2	15.5	11.7	7.7	20.7	15.1	9.6
Sepsis	25	24.0	26.6	*	32.0	34.5	*	36.0	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	5.7	*	7.7	10.6	*	15.4	15.0	*
Carotid Endarterectomy	3	0.0	3.9	*	0.0	9.3	*	0.0	14.7	*
Hip Replacement/Reconstruction	33	9.1	3.6	*	9.1	6.7	*	15.2	8.7	*
Open Reduction of Hip Fracture	29	3.4	5.3	*	17.2	10.3	*	20.7	13.7	*
Prostatectomy	43	0.0	1.6	*	0.0	3.3	*	0.0	5.2	*
Cholecystectomy	51	5.9	3.1	4.3	9.8	5.4	5.2	9.8	6.8	5.2
Hysterectomy	33	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,767	10.4	10.1	0.7	15.5	15.2	1.0	19.2	19.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	69	29.0	30.9	5.8	33.3	34.1	5.7	36.2	37.7	6.0
Congestive Heart Failure	127	15.7	17.9	4.0	26.0	27.0	4.5	28.3	34.3	5.8
Pneumonia/Influenza	78	19.2	15.7	6.2	24.4	21.4	5.3	26.9	26.0	5.7
Chronic Obstructive Pulmonary Disease	25	4.0	9.8	*	4.0	16.7	*	12.0	22.4	*
Transient Cerebral Ischemia	39	2.6	2.3	*	5.1	4.9	*	7.7	7.7	*
Stroke	58	29.3	22.2	9.1	39.7	28.9	11.3	44.8	33.6	11.9
Hip Fracture	45	6.7	8.2	*	6.7	14.0	*	11.1	17.6	*
Sepsis	27	18.5	25.3	*	29.6	33.6	*	33.3	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	4.9	*	0.0	9.7	*	0.0	14.0	*
Carotid Endarterectomy	3	0.0	1.8	*	0.0	3.0	*	0.0	4.2	*
Hip Replacement/Reconstruction	11	9.1	6.4	*	9.1	11.8	*	18.2	15.0	*
Open Reduction of Hip Fracture	20	5.0	7.3	*	5.0	13.2	*	5.0	16.8	*
Prostatectomy	47	0.0	1.3	*	2.1	3.1	*	6.4	5.1	*
Cholecystectomy	35	2.9	3.4	*	5.7	5.7	*	8.6	7.3	*
Hysterectomy	16	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTHWEST GENERAL HOSPITAL

18697 Bagley Rd
Middleburg Heights, OH 4413

Medicare Provider Number: 360155

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,657	8.7	8.9	0.6	13.6	13.6	0.7	17.0	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	87	29.9	28.1	5.2	35.6	31.2	5.6	35.6	34.4	5.3
Congestive Heart Failure	190	14.2	15.9	3.0	26.8	25.0	3.9	27.9	32.2	3.9
Pneumonia/Influenza	96	18.8	18.3	4.1	25.0	24.9	4.4	30.2	29.9	4.7
Chronic Obstructive Pulmonary Disease	92	4.3	11.0	5.1	12.0	18.6	6.4	18.5	24.7	6.0
Transient Cerebral Ischemia	78	0.0	1.7	2.1	2.6	3.7	2.5	2.6	5.8	3.8
Stroke	87	17.2	18.6	6.1	20.7	25.5	7.2	26.4	30.0	7.6
Hip Fracture	47	4.3	7.1	*	8.5	12.6	*	14.9	16.2	*
Sepsis	12	16.7	24.3	*	25.0	31.0	*	41.7	36.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	6.6	*	0.0	10.2	*	0.0	12.9	*
Carotid Endarterectomy	38	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	18	0.0	4.2	*	0.0	7.7	*	5.6	10.1	*
Open Reduction of Hip Fracture	23	4.3	5.5	*	8.7	10.2	*	13.0	13.3	*
Prostatectomy	67	1.5	0.9	1.5	3.0	2.1	2.6	3.0	3.5	3.2
Cholecystectomy	32	0.0	2.0	*	3.1	3.5	*	3.1	4.7	*
Hysterectomy	20	5.0	0.3	*	5.0	0.6	*	5.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 292
Occupancy Rate 82
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 201
Percent of Physicians Board Certified Specialists 68
Medical Residents/Interns 0
Registered Nurses 382
Licensed Practical Nurses 46

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SOUTHWEST GENERAL HOSPITAL

Medicare Provider Number: 360155

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,552	8.6	9.0	0.6	13.7	13.6	0.7	17.8	17.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	77	24.7	31.6	11.4	28.6	34.9	12.0	31.2	38.5	11.7
Congestive Heart Failure	190	20.0	16.9	3.6	28.9	26.1	4.2	37.9	33.5	5.5
Pneumonia/Influenza	101	21.8	17.4	7.7	26.7	23.6	6.7	31.7	28.5	6.4
Chronic Obstructive Pulmonary Disease	82	12.2	10.7	4.4	22.0	17.9	6.8	28.0	23.8	6.7
Transient Cerebral Ischemia	72	1.4	1.7	2.3	5.6	3.7	3.0	5.6	5.7	3.9
Stroke	97	11.3	21.2	6.2	19.6	27.8	6.6	26.8	32.5	5.5
Hip Fracture	38	2.6	6.9	*	7.9	12.4	*	7.9	15.9	*
Sepsis	10	30.0	31.6	*	30.0	39.3	*	40.0	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	42.9	20.9	*	57.1	25.7	*	57.1	28.7	*
Carotid Endarterectomy	48	2.1	1.6	*	4.2	3.0	*	4.2	4.3	*
Hip Replacement/Reconstruction	18	0.0	4.2	*	5.6	8.0	*	5.6	10.6	*
Open Reduction of Hip Fracture	16	0.0	5.2	*	0.0	10.1	*	0.0	13.3	*
Prostatectomy	78	3.8	1.1	2.7	5.1	2.6	2.8	5.1	4.2	2.5
Cholecystectomy	41	0.0	2.8	*	0.0	4.8	*	2.4	5.9	*
Hysterectomy	19	0.0	1.7	*	0.0	2.8	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,498	9.2	8.8	0.8	14.0	13.4	1.3	18.0	17.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	88	33.0	31.2	5.4	36.4	34.0	6.5	42.0	37.3	7.1
Congestive Heart Failure	166	15.1	16.6	3.5	22.9	25.1	4.5	31.9	32.1	3.6
Pneumonia/Influenza	99	17.2	17.9	3.9	27.3	23.9	5.4	32.3	28.8	6.7
Chronic Obstructive Pulmonary Disease	79	8.9	11.9	4.9	17.7	20.2	6.0	24.1	26.6	7.9
Transient Cerebral Ischemia	80	2.5	2.0	1.7	6.2	4.2	2.9	7.5	6.6	3.0
Stroke	89	22.5	20.5	5.5	32.6	27.5	6.3	36.0	32.0	6.7
Hip Fracture	44	11.4	7.7	*	15.9	13.4	*	22.7	17.2	*
Sepsis	13	46.2	33.8	*	46.2	40.0	*	46.2	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.9	*	14.3	5.9	*	14.3	8.9	*
Carotid Endarterectomy	57	3.5	1.4	3.0	3.5	2.5	3.1	5.3	3.6	3.3
Hip Replacement/Reconstruction	18	11.1	6.4	*	16.7	11.0	*	16.7	14.0	*
Open Reduction of Hip Fracture	17	11.8	6.4	*	11.8	12.4	*	17.6	16.4	*
Prostatectomy	74	0.0	1.0	1.7	4.1	2.5	2.3	5.4	4.2	3.0
Cholecystectomy	41	2.4	2.7	*	4.9	4.7	*	9.8	6.0	*
Hysterectomy	19	0.0	0.5	*	0.0	0.9	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST ALEXIS HOSPITAL

5163 Broadway
Cleveland, OH 44127

Medicare Provider Number: 360049

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,371	9.6	9.2	0.8	16.3	14.3	1.5	19.5	18.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	27	29.6	31.1	*	37.0	34.6	*	37.0	38.1	*
Congestive Heart Failure	116	10.3	15.1	4.4	22.4	23.3	5.0	25.0	30.2	6.1
Pneumonia/Influenza	66	22.7	17.2	10.1	30.3	23.4	11.1	33.3	28.6	9.2
Chronic Obstructive Pulmonary Disease	30	16.7	8.7	*	20.0	14.3	*	30.0	19.0	*
Transient Cerebral Ischemia	38	5.3	2.2	*	15.8	4.8	*	15.8	7.8	*
Stroke	49	12.2	16.7	*	22.4	23.1	*	26.5	27.4	*
Hip Fracture	17	5.9	5.9	*	5.9	10.7	*	11.8	13.8	*
Sepsis	12	0.0	22.6	*	16.7	29.9	*	16.7	35.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	1.8	*	10.0	3.9	*	20.0	6.0	*
Carotid Endarterectomy	7	0.0	1.8	*	0.0	3.3	*	0.0	4.9	*
Hip Repiacement/Reconstruction	7	0.0	2.4	*	0.0	4.9	*	0.0	6.8	*
Open Reduction of Hip Fracture	12	8.3	5.2	*	8.3	9.8	*	16.7	12.9	*
Prostatectomy	39	2.6	0.7	*	5.1	1.7	*	7.7	2.9	*
Cholecystectomy	23	4.3	2.6	*	8.7	4.5	*	8.7	5.8	*
Hysterectomy	10	0.0	0.6	*	0.0	1.3	*	20.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	216
Occupancy Rate	60
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	87
Percent of Physicians Board Certified Specialists	51
Medical Residents/Interns	0
Registered Nurses	141
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST ALEXIS HOSPITAL

Medicare Provider Number: 360049

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,487	10.2	9.9	1.0	15.6	14.9	1.0	19.5	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	26	38.5	27.7	*	46.2	30.6	*	46.2	34.0	*
Congestive Heart Failure	120	19.2	15.0	5.0	25.8	23.3	4.4	30.8	30.0	4.8
Pneumonia/Influenza	74	10.8	17.8	7.3	18.9	24.2	7.4	25.7	29.1	6.2
Chronic Obstructive Pulmonary Disease	39	7.7	8.9	*	20.5	15.3	*	28.2	20.8	*
Transient Cerebral Ischemia	48	4.2	2.0	*	6.3	4.1	*	6.3	6.3	*
Stroke	62	16.1	21.2	7.5	27.4	27.7	8.0	32.3	32.3	5.9
Hip Fracture	19	15.8	7.8	*	15.8	13.9	*	21.1	17.8	*
Sepsis	12	25.0	23.0	*	25.0	29.3	*	33.3	34.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	9.2	*	0.0	13.2	*	0.0	16.7	*
Carotid Endarterectomy	12	0.0	1.8	*	0.0	3.6	*	8.3	5.4	*
Hip Replacement/Reconstruction	3	33.3	7.1	*	33.3	13.1	*	33.3	16.6	*
Open Reduction of Hip Fracture	12	16.7	7.3	*	16.7	13.7	*	25.0	18.0	*
Prostatectomy	27	0.0	1.0	*	3.7	2.6	*	11.1	4.3	*
Cholecystectomy	17	5.9	2.0	*	5.9	3.8	*	5.9	5.1	*
Hysterectomy	10	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,542	9.6	9.4	0.8	15.4	14.3	1.1	18.9	18.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	31	19.4	24.6	*	22.6	27.4	*	22.6	30.6	*
Congestive Heart Failure	124	15.3	15.4	3.6	25.0	23.0	4.9	31.5	29.6	4.8
Pneumonia/Influenza	38	13.2	14.7	*	18.4	19.9	*	18.4	24.5	*
Chronic Obstructive Pulmonary Disease	32	15.6	11.8	*	21.9	19.0	*	21.9	24.2	*
Transient Cerebral Ischemia	43	7.0	2.1	*	9.3	4.4	*	11.6	7.0	*
Stroke	69	21.7	19.9	6.5	39.1	26.9	7.5	42.0	31.6	7.7
Hip Fracture	26	15.4	6.9	*	19.2	11.7	*	19.2	14.8	*
Sepsis	13	7.7	24.3	*	23.1	31.7	*	30.8	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	3.5	*	10.0	7.1	*	15.0	10.5	*
Carotid Endarterectomy	3	0.0	1.8	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	7	0.0	7.1	*	0.0	12.3	*	0.0	15.5	*
Open Reduction of Hip Fracture	8	12.5	7.2	*	25.0	12.5	*	25.0	15.4	*
Prostatectomy	32	0.0	1.4	*	0.0	3.3	*	3.1	5.4	*
Cholecystectomy	26	0.0	2.1	*	0.0	3.4	*	0.0	4.3	*
Hysterectomy	10	0.0	1.3	*	10.0	3.2	*	10.0	5.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST ANNS HOSPITAL OF COLUMBUS

500 South Cleveland Ave
Westerville, OH 43081

Medicare Provider Number: 360012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,222	9.0	10.6	1.3	15.1	15.6	1.4	18.9	19.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	59	16.9	26.4	6.5	23.7	30.2	6.4	35.6	33.8	6.2
Congestive Heart Failure	89	13.5	14.8	4.0	24.7	22.7	4.8	29.2	29.3	5.1
Pneumonia/Influenza	53	20.8	15.5	6.7	26.4	21.7	7.5	26.4	26.3	6.2
Chronic Obstructive Pulmonary Disease	16	6.3	12.0	*	18.8	18.8	*	18.8	24.1	*
Transient Cerebral Ischemia	25	0.0	2.2	*	4.0	4.8	*	4.0	7.5	*
Stroke	51	23.5	22.3	6.1	27.5	28.0	6.4	31.4	32.2	6.6
Hip Fracture	64	1.6	6.8	5.9	10.9	12.4	7.4	14.1	16.3	6.1
Sepsis	13	15.4	26.9	*	23.1	36.6	*	23.1	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	3.1	*	0.0	5.9	*	0.0	8.5	*
Carotid Endarterectomy	5	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	23	4.3	5.5	*	8.7	10.9	*	8.7	15.2	*
Open Reduction of Hip Fracture	28	0.0	6.1	*	10.7	11.4	*	10.7	15.0	*
Prostatectomy	24	0.0	1.3	*	4.2	3.3	*	4.2	5.5	*
Cholecystectomy	25	4.0	2.8	*	4.0	4.7	*	4.0	5.6	*
Hysterectomy	10	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 154
Occupancy Rate 71
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 226
Percent of Physicians Board Certified Specialists 66
Medical Residents/Interns 6
Registered Nurses 317
Licensed Practical Nurses 2

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

ST ANNS HOSPITAL OF COLUMBUS

Medicare Provider Number: 360012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,166	13.2	11.1	1.4	18.9	16.0	1.7	23.2	19.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	54	37.0	29.5	7.5	48.1	33.4	9.0	48.1	37.2	9.0
Congestive Heart Failure	58	24.1	18.6	7.0	31.0	27.8	8.4	44.8	35.0	11.9
Pneumonia/Influenza	46	19.6	17.6	*	26.1	23.6	*	30.4	28.1	*
Chronic Obstructive Pulmonary Disease	13	7.7	9.2	*	15.4	14.7	*	15.4	19.2	*
Transient Cerebral Ischemia	27	7.4	2.1	*	11.1	4.4	*	18.5	7.0	*
Stroke	44	22.7	22.2	*	27.3	28.8	*	29.5	33.5	*
Hip Fracture	51	7.8	7.7	3.8	11.8	14.0	5.2	19.6	17.9	5.7
Sepsis	17	35.3	28.3	*	41.2	36.5	*	47.1	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	4.6	*	0.0	7.5	*	0.0	9.9	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.6	*	20.0	3.8	*
Hip Replacement/Reconstruction	19	0.0	5.3	*	5.3	10.1	*	10.5	12.9	*
Open Reduction of Hip Fracture	31	12.9	7.5	*	16.1	14.4	*	22.6	18.9	*
Prostatectomy	17	5.9	1.1	*	5.9	2.7	*	5.9	4.4	*
Cholecystectomy	16	6.3	5.1	*	12.5	7.6	*	12.5	9.3	*
Hysterectomy	7	0.0	1.8	*	0.0	3.6	*	0.0	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,167	12.4	10.7	1.1	18.9	15.7	1.5	23.2	19.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	34	26.5	27.7	*	35.3	31.8	*	35.3	35.7	*
Congestive Heart Failure	62	12.9	17.1	7.2	22.6	25.6	8.2	30.6	32.7	6.4
Pneumonia/Influenza	56	17.9	16.4	5.0	30.4	22.5	7.8	35.7	27.1	8.0
Chronic Obstructive Pulmonary Disease	9	22.2	15.2	*	22.2	22.5	*	33.3	27.9	*
Transient Cerebral Ischemia	43	2.3	1.7	*	4.7	3.8	*	7.0	6.0	*
Stroke	55	27.3	25.0	9.9	38.2	31.2	8.8	38.2	35.4	6.9
Hip Fracture	52	7.7	6.2	3.9	13.5	11.6	6.1	19.2	15.2	7.1
Sepsis	21	42.9	32.0	*	57.1	41.2	*	76.2	47.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	14.3	5.6	*	14.3	10.9	*	21.4	15.4	*
Carotid Endarterectomy	6	0.0	1.5	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	18	0.0	7.0	*	5.6	12.2	*	16.7	15.9	*
Open Reduction of Hip Fracture	20	0.0	6.0	*	10.0	11.8	*	10.0	15.8	*
Prostatectomy	24	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*
Cholecystectomy	18	0.0	4.0	*	5.6	6.3	*	16.7	7.5	*
Hysterectomy	7	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST ANTHONY MERCY HOSPITAL

1430 S High St
Columbus, OH 43207

Medicare Provider Number: 360031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	800	6.7	10.2	1.6	12.5	14.6	2.0	15.4	18.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	40	32.5	26.6	*	37.5	29.3	*	37.5	32.5	*
Congestive Heart Failure	53	13.2	14.5	5.2	26.4	22.5	6.6	32.1	29.2	7.4
Pneumonia/Influenza	55	9.1	15.9	10.3	12.7	21.4	11.1	20.0	25.7	10.8
Chronic Obstructive Pulmonary Disease	25	4.0	10.5	*	12.0	16.7	*	12.0	21.7	*
Transient Cerebral Ischemia	27	0.0	1.7	*	0.0	3.8	*	3.7	6.0	*
Stroke	37	21.6	18.4	*	29.7	24.8	*	29.7	29.1	*
Hip Fracture	15	6.7	5.5	*	26.7	9.7	*	26.7	12.7	*
Sepsis	2	50.0	27.6	*	50.0	37.1	*	50.0	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	6.8	*	33.3	11.8	*	33.3	15.7	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	5	0.0	3.9	*	40.0	7.3	*	40.0	9.9	*
Open Reduction of Hip Fracture	12	8.3	4.7	*	16.7	8.9	*	16.7	11.8	*
Prostatectomy	17	0.0	2.0	*	0.0	4.8	*	0.0	7.5	*
Cholecystectomy	15	0.0	2.5	*	0.0	4.1	*	0.0	5.3	*
Hysterectomy	2	0.0	4.6	*	0.0	9.6	*	0.0	13.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 178
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 81
Licensed Practical Nurses 5

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

ST ANTHONY MERCY HOSPITAL

Medicare Provider Number: 360031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,021	7.7	9.1	1.6	11.1	13.4	1.5	13.4	16.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	36	27.8	30.5	*	30.6	34.7	*	33.3	38.5	*
Congestive Heart Failure	62	12.9	14.0	6.7	17.7	20.9	6.1	22.6	27.1	7.1
Pneumonia/Influenza	61	13.1	14.8	4.9	16.4	20.3	7.3	19.7	24.6	9.6
Chronic Obstructive Pulmonary Disease	31	19.4	13.1	*	19.4	20.7	*	22.6	26.2	*
Transient Cerebral Ischemia	35	2.9	2.0	*	2.9	4.1	*	2.9	6.3	*
Stroke	34	23.5	23.8	*	35.3	29.7	*	44.1	34.2	*
Hip Fracture	18	5.6	6.5	*	5.6	11.4	*	5.6	14.4	*
Sepsis	6	16.7	30.2	*	33.3	38.2	*	33.3	43.8	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	7.4	*	0.0	12.3	*	0.0	16.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	3.8	*	8.3	7.2	*	8.3	9.4	*
Open Reduction of Hip Fracture	6	0.0	6.8	*	0.0	12.1	*	0.0	15.2	*
Prostatectomy	21	0.0	1.5	*	4.8	3.5	*	4.8	5.7	*
Cholecystectomy	24	0.0	2.5	*	0.0	3.9	*	0.0	4.7	*
Hysterectomy	3	0.0	0.6	*	0.0	1.0	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	957	6.7	8.5	1.4	11.0	12.9	1.6	14.3	16.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	31.7	*	36.0	34.4	*	36.0	37.6	*
Congestive Heart Failure	58	17.2	16.1	5.5	24.1	24.2	5.6	29.3	31.0	6.3
Pneumonia/Influenza	50	10.0	16.6	*	18.0	22.6	*	28.0	27.3	*
Chronic Obstructive Pulmonary Disease	40	5.0	12.1	*	7.5	20.1	*	7.5	26.5	*
Transient Cerebral Ischemia	28	3.6	2.6	*	3.6	5.8	*	14.3	9.2	*
Stroke	35	11.4	19.9	*	17.1	26.8	*	17.1	31.3	*
Hip Fracture	22	0.0	6.4	*	4.5	11.6	*	4.5	15.1	*
Sepsis	2	0.0	16.2	*	0.0	20.7	*	0.0	25.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.3	*	12.5	9.2	*	12.5	14.0	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	12	0.0	4.9	*	0.0	9.2	*	0.0	12.0	*
Open Reduction of Hip Fracture	10	0.0	5.9	*	10.0	11.4	*	10.0	15.3	*
Prostatectomy	23	0.0	1.6	*	0.0	3.8	*	4.3	6.0	*
Cholecystectomy	29	3.4	3.9	*	6.9	6.6	*	6.9	8.2	*
Hysterectomy	7	0.0	1.7	*	14.3	4.0	*	14.3	6.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST ANTHONY MERCY HOSPITAL

1450 Hawthorne Ave
Columbus, OH 43203

Medicare Provider Number: 360062

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,770	7.6	8.4	0.7	12.0	12.9	1.0	15.3	16.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	49	26.5	28.0	*	30.6	31.0	*	32.7	34.1	*
Congestive Heart Failure	138	8.0	14.5	4.2	15.9	22.3	5.0	21.7	28.7	5.7
Pneumonia/Influenza	83	21.7	16.6	6.2	25.3	22.2	5.3	27.7	26.7	5.0
Chronic Obstructive Pulmonary Disease	44	9.1	10.5	*	11.4	17.1	*	15.9	22.3	*
Transient Cerebral Ischemia	38	2.6	1.6	*	2.6	3.3	*	2.6	5.1	*
Stroke	88	23.9	23.2	4.6	30.7	30.1	5.2	33.0	34.7	5.5
Hip Fracture	37	2.7	8.2	*	5.4	14.1	*	16.2	17.8	*
Sepsis	49	22.4	26.7	*	30.6	35.3	*	40.8	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.1	*	8.3	4.2	*	8.3	6.3	*
Carotid Endarterectomy	17	0.0	1.6	*	5.9	3.1	*	5.9	4.7	*
Hip Replacement/Reconstruction	218	1.8	1.2	0.9	1.8	2.1	1.0	2.8	2.8	1.2
Open Reduction of Hip Fracture	18	0.0	8.5	*	5.6	15.1	*	16.7	19.1	*
Prostatectomy	51	0.0	1.0	1.6	0.0	2.3	2.8	2.0	3.6	3.1
Cholecystectomy	41	7.3	4.5	*	12.2	8.1	*	12.2	10.4	*
Hysterectomy	8	12.5	1.7	*	12.5	3.6	*	12.5	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 403
Occupancy Rate 77
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 189
Percent of Physicians Board Certified Specialists 70
Medical Residents/Interns 0
Registered Nurses 366
Licensed Practical Nurses 20

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST ANTHONY MERCY HOSPITAL

Medicare Provider Number: 360062

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,978	9.3	8.7	0.7	14.0	13.3	0.9	17.3	16.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	64	39.1	26.3	7.6	45.3	29.3	8.2	51.6	32.7	9.1
Congestive Heart Failure	166	17.5	16.4	4.5	22.9	25.0	4.5	29.5	31.9	5.9
Pneumonia/Influenza	83	19.3	18.3	4.3	24.1	24.7	4.8	31.3	29.5	5.2
Chronic Obstructive Pulmonary Disease	34	20.6	10.6	*	26.5	17.7	*	29.4	23.4	*
Transient Cerebral Ischemia	44	0.0	1.9	*	2.3	4.0	*	11.4	6.2	*
Stroke	108	19.4	20.8	4.7	27.8	28.1	4.3	30.6	32.7	5.3
Hip Fracture	58	6.9	7.7	4.9	17.2	14.0	5.3	17.2	18.0	5.3
Sepsis	33	18.2	28.6	*	30.3	37.7	*	39.4	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	4.0	*	12.5	9.4	*	25.0	14.6	*
Carotid Endarterectomy	42	2.4	1.5	*	2.4	3.0	*	2.4	4.4	*
Hip Replacement/Reconstruction	208	1.4	1.4	1.1	2.9	2.6	1.1	2.9	3.6	1.5
Open Reduction of Hip Fracture	28	7.1	6.2	*	17.9	11.8	*	17.9	15.6	*
Prostatectomy	59	0.0	1.1	1.7	3.4	2.8	2.5	3.4	4.7	3.0
Cholecystectomy	27	3.7	4.9	*	18.5	9.6	*	22.2	13.1	*
Hysterectomy	13	0.0	1.5	*	7.7	3.2	*	7.7	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,868	7.4	8.4	0.8	12.6	12.9	1.0	16.1	16.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	58	29.3	30.4	6.1	34.5	34.2	6.2	37.9	37.9	6.4
Congestive Heart Failure	147	10.9	15.8	4.3	22.4	23.8	4.7	32.0	30.6	4.0
Pneumonia/Influenza	80	20.0	23.4	6.9	27.5	31.4	8.5	28.7	37.1	9.8
Chronic Obstructive Pulmonary Disease	40	15.0	10.8	*	20.0	17.3	*	25.0	22.2	*
Transient Cerebral Ischemia	48	6.3	1.9	*	6.3	4.1	*	6.3	6.4	*
Stroke	107	17.8	23.1	8.2	27.1	31.1	9.0	30.8	36.0	8.4
Hip Fracture	51	7.8	6.9	3.7	9.8	12.4	5.5	11.8	15.9	8.0
Sepsis	52	36.5	26.1	7.5	38.5	35.6	6.8	40.4	41.9	6.9
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.8	*	20.0	6.9	*	20.0	9.6	*
Carotid Endarterectomy	37	0.0	1.6	*	5.4	2.9	*	10.8	4.1	*
Hip Replacement/Reconstruction	229	0.0	0.9	1.0	1.3	1.7	1.4	1.7	2.3	1.5
Open Reduction of Hip Fracture	28	14.3	7.2	*	17.9	13.3	*	17.9	17.1	*
Prostatectomy	48	2.1	1.3	*	4.2	3.1	*	8.3	4.9	*
Cholecystectomy	28	0.0	3.7	*	10.7	6.5	*	14.3	8.2	*
Hysterectomy	11	0.0	0.8	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST CHARLES HOSPITAL

2600 Navarre Ave
Oregon, OH 43616

Medicare Provider Number: 360081

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,287	8.8	9.5	0.6	13.6	14.1	0.8	15.8	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	90	26.7	27.5	4.8	30.0	30.8	5.1	32.2	34.1	5.2
Congestive Heart Failure	140	18.6	16.2	3.6	28.6	24.8	4.5	30.7	31.8	4.0
Pneumonia/Influenza	83	18.1	17.3	4.4	24.1	23.5	5.5	27.7	28.3	6.7
Chronic Obstructive Pulmonary Disease	63	6.3	6.6	3.3	12.7	11.4	5.1	14.3	15.8	5.2
Transient Cerebral Ischemia	50	0.0	1.9	*	2.0	4.2	*	6.0	6.6	*
Stroke	86	23.3	20.2	5.3	25.6	26.4	5.3	31.4	30.7	5.0
Hip Fracture	30	0.0	7.9	*	10.0	13.4	*	10.0	16.8	*
Sepsis	34	14.7	30.6	*	20.6	38.8	*	26.5	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	39	5.1	3.9	*	10.3	7.9	*	10.3	11.5	*
Carotid Endarterectomy	19	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	28	0.0	4.0	*	0.0	6.9	*	0.0	8.8	*
Open Reduction of Hip Fracture	11	0.0	6.5	*	9.1	11.2	*	9.1	14.2	*
Prostatectomy	69	0.0	1.6	*	0.0	3.4	*	1.4	5.4	*
Cholecystectomy	38	5.3	3.6	*	5.3	6.4	*	5.3	8.3	*
Hysterectomy	10	0.0	0.6	*	0.0	1.3	*	10.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 298
Occupancy Rate 68
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 175
Percent of Physicians Board Certified Specialists 61
Medical Residents/Interns 0
Registered Nurses 319
Licensed Practical Nurses 51

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST CHARLES HOSPITAL

Medicare Provider Number: 360081

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,299	9.2	10.4	0.8	15.1	15.4	0.9	18.2	19.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	76	26.3	31.1	8.3	28.9	34.4	9.3	31.6	37.9	10.0
Congestive Heart Failure	116	13.8	17.4	5.4	23.3	26.1	5.2	31.0	33.2	4.8
Pneumonia/Influenza	97	19.6	19.8	4.7	26.8	26.2	4.5	32.0	31.2	4.8
Chronic Obstructive Pulmonary Disease	57	7.0	6.9	3.7	17.5	12.4	6.5	22.8	17.1	7.8
Transient Cerebral Ischemia	55	1.8	2.5	2.7	5.5	5.5	5.0	5.5	8.7	6.2
Stroke	69	24.6	26.3	5.6	34.8	32.3	6.4	42.0	36.7	6.7
Hip Fracture	51	7.8	9.6	4.4	13.7	17.0	5.9	21.6	21.4	5.8
Sepsis	37	27.0	32.8	*	35.1	40.3	*	37.8	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	33	3.0	3.9	*	3.0	6.7	*	3.0	9.3	*
Carotid Endarterectomy	27	3.7	1.6	*	3.7	3.2	*	3.7	4.7	*
Hip Replacement/Reconstruction	38	7.9	4.7	*	10.5	8.8	*	18.4	11.4	*
Open Reduction of Hip Fracture	9	0.0	8.3	*	11.1	16.6	*	11.1	22.3	*
Prostatectomy	78	1.3	1.3	1.3	2.6	3.1	2.1	5.1	5.3	2.5
Cholecystectomy	40	5.0	3.8	*	7.5	6.9	*	10.0	9.1	*
Hysterectomy	8	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,360	7.8	8.9	1.0	13.1	13.5	1.3	16.2	17.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	84	26.2	31.7	5.8	34.5	35.4	5.9	39.3	39.0	5.4
Congestive Heart Failure	149	18.1	17.1	3.5	28.9	25.9	4.1	30.9	33.0	4.1
Pneumonia/Influenza	82	14.6	17.3	4.8	20.7	23.1	7.2	23.2	27.9	7.5
Chronic Obstructive Pulmonary Disease	40	12.5	8.5	*	25.0	15.3	*	30.0	20.7	*
Transient Cerebral Ischemia	57	1.8	2.3	2.1	3.5	5.0	3.2	5.3	7.8	4.7
Stroke	79	25.3	22.7	5.3	29.1	29.8	6.4	31.6	34.4	8.4
Hip Fracture	52	9.6	6.7	5.5	21.2	11.8	8.2	26.9	15.3	9.5
Sepsis	28	28.6	33.4	*	39.3	41.2	*	39.3	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	0.0	2.9	*	3.4	6.0	*	6.9	9.1	*
Carotid Endarterectomy	40	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	42	0.0	3.7	*	7.1	6.7	*	14.3	8.9	*
Open Reduction of Hip Fracture	8	12.5	5.3	*	12.5	9.7	*	12.5	12.8	*
Prostatectomy	68	0.0	1.5	2.2	2.9	3.6	2.7	5.9	5.9	3.4
Cholecystectomy	44	2.3	3.9	*	2.3	7.1	*	6.8	9.5	*
Hysterectomy	11	0.0	2.9	*	0.0	5.6	*	0.0	8.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST ELIZABETH HOSPITAL

1044 Belmont Ave
Youngstown, OH 44501

Medicare Provider Number: 360064

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,899	7.8	8.8	0.5	12.3	13.4	0.5	16.0	17.2	0.6
CONDITIONS:										
Acute Myocardial Infarction	144	21.5	24.3	4.2	22.2	27.4	4.5	24.3	30.9	5.3
Congestive Heart Failure	295	14.6	14.9	2.1	24.4	23.3	2.6	28.8	30.2	2.8
Pneumonia/Influenza	215	15.3	17.6	3.5	23.3	24.0	3.0	27.9	29.1	3.4
Chronic Obstructive Pulmonary Disease	114	4.4	8.7	3.1	14.9	15.2	4.1	23.7	20.7	4.1
Transient Cerebral Ischemia	144	2.8	1.5	1.5	4.2	3.5	2.0	6.9	5.6	2.7
Stroke	187	19.3	19.9	3.0	23.5	26.2	3.7	26.7	30.6	4.8
Hip Fracture	92	10.9	7.0	5.6	15.2	12.5	6.6	16.3	16.2	7.0
Sepsis	80	27.5	31.3	8.2	32.5	39.3	9.9	38.7	46.3	10.2
PROCEDURES:										
Angioplasty	69	4.3	2.5	2.4	4.3	3.4	2.7	4.3	4.4	3.2
Coronary Artery Bypass Graft	135	3.0	5.3	3.3	6.7	7.5	3.8	6.7	8.9	3.7
Initial Pacemaker Insertion	29	6.9	2.8	*	10.3	5.8	*	13.8	8.7	*
Carotid Endarterectomy	75	5.3	1.4	3.1	6.7	2.6	3.7	8.0	3.8	4.3
Hip Replacement/Reconstruction	57	10.5	5.1	5.1	15.8	10.0	6.0	17.5	13.7	5.7
Open Reduction of Hip Fracture	42	4.8	5.1	*	11.9	9.7	*	11.9	13.0	*
Prostatectomy	201	3.0	1.0	1.5	4.0	2.5	1.7	6.5	4.2	2.3
Cholecystectomy	115	1.7	4.9	3.9	6.1	8.3	4.9	8.7	10.7	4.7
Hysterectomy	39	0.0	1.2	*	0.0	2.3	*	2.6	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	680
Occupancy Rate	77
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	193
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	80
Registered Nurses	706
Licensed Practical Nurses	168

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST ELIZABETH HOSPITAL

Medicare Provider Number: 360064

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,035	7.6	9.0	0.4	12.2	13.6	0.5	16.1	17.2	0.5
CONDITIONS:										
Acute Myocardial Infarction	170	31.8	28.0	5.1	35.9	31.2	5.2	38.2	35.0	4.7
Congestive Heart Failure	264	12.5	14.6	3.7	21.6	22.8	2.8	29.2	29.5	2.9
Pneumonia/Influenza	181	10.5	19.2	4.0	17.1	25.8	4.2	26.5	30.7	3.7
Chronic Obstructive Pulmonary Disease	79	7.6	8.7	3.9	13.9	15.3	5.7	20.3	20.9	4.6
Transient Cerebral Ischemia	136	0.7	1.8	1.9	3.7	4.1	2.2	7.4	6.6	2.3
Stroke	196	20.4	20.8	2.9	28.1	27.2	3.5	33.2	31.8	4.2
Hip Fracture	88	6.8	6.2	2.8	14.8	11.4	4.8	19.3	14.9	6.5
Sepsis	54	27.8	31.2	8.2	31.5	39.2	11.2	38.9	45.9	13.1
PROCEDURES:										
Angioplasty	94	4.3	4.0	2.8	6.4	4.9	3.4	7.4	5.9	3.2
Coronary Artery Bypass Graft	129	6.2	5.2	2.4	8.5	7.4	2.5	9.3	8.8	2.5
Initial Pacemaker Insertion	46	8.7	5.1	*	10.9	8.3	*	17.4	11.2	*
Carotid Endarterectomy	86	0.0	1.5	1.8	0.0	2.8	2.9	1.2	4.0	3.0
Hip Replacement/Reconstruction	69	4.3	3.4	2.3	7.2	6.4	3.0	8.7	8.5	3.4
Open Reduction of Hip Fracture	27	11.1	5.7	*	14.8	10.8	*	25.9	14.2	*
Prostatectomy	176	0.6	1.5	1.2	1.7	3.2	2.1	4.0	5.1	2.6
Cholecystectomy	101	3.0	3.2	1.8	5.0	5.7	3.0	10.9	7.7	3.1
Hysterectomy	43	0.0	0.8	*	2.3	1.6	*	4.7	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,017	8.1	8.7	0.5	12.7	13.1	0.5	16.1	16.6	0.5
CONDITIONS:										
Acute Myocardial Infarction	193	31.6	30.0	3.6	35.8	33.3	4.1	38.9	36.9	5.0
Congestive Heart Failure	293	16.4	16.1	2.9	24.6	24.5	3.4	32.1	31.5	3.1
Pneumonia/Influenza	166	14.5	17.4	4.5	20.5	23.6	6.2	24.7	28.4	6.3
Chronic Obstructive Pulmonary Disease	91	9.9	9.7	3.6	22.0	16.8	5.7	27.5	22.2	6.5
Transient Cerebral Ischemia	141	1.4	1.7	1.5	5.0	3.7	2.4	7.1	5.7	3.6
Stroke	182	21.4	20.2	3.4	30.2	26.8	3.8	33.5	31.3	3.7
Hip Fracture	91	7.7	6.7	2.7	15.4	12.1	4.5	20.9	15.9	5.9
Sepsis	69	34.8	30.8	7.4	44.9	39.6	7.4	46.4	46.2	6.5
PROCEDURES:										
Angioplasty	130	1.5	4.4	2.4	2.3	5.3	2.7	3.1	6.5	3.0
Coronary Artery Bypass Graft	105	10.5	6.3	4.4	11.4	8.6	3.8	13.3	10.2	4.6
Initial Pacemaker Insertion	44	2.3	3.8	*	9.1	7.1	*	15.9	10.2	*
Carotid Endarterectomy	90	1.1	1.5	1.4	3.3	2.8	1.9	4.4	4.0	2.3
Hip Replacement/Reconstruction	50	6.0	4.7	*	10.0	8.6	*	14.0	11.3	*
Open Reduction of Hip Fracture	34	5.9	5.4	*	17.6	10.5	*	20.6	14.2	*
Prostatectomy	144	0.7	1.0	1.2	2.1	2.4	2.3	5.6	4.0	2.4
Cholecystectomy	113	5.3	4.3	2.2	8.8	7.2	2.9	8.8	9.0	3.3
Hysterectomy	60	0.0	1.0	*	0.0	2.1	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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St. Elizabeth
HOSPITAL MEDICAL CENTER

1044 Belmont Avenue
P.O. Box 1790
Youngstown, OH 44501-1790
(216) 746-7211

Medicare Provider Number: 360064

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Thank you for providing St. Elizabeth Hospital Medical Center with Medicare Hospital Mortality Rates for our institution. We have reviewed the data and found that none of our observed mortality rates are over two standard deviations from the predicted rate. I would, however, like to comment on the following:

1. Contrary to the apparent implication of initial pacemaker mortality, we do not have any elective pacemaker insertion mortalities. It is suggested that a temporary pacemaker was inserted in a severely ill individual.

2. Mortality under prostatectomies were related to concurrent cancer and not to complications of the procedure.

We will be analyzing this information further within our institution's Quality Assessment Program. Again, we appreciate receiving this information and having an opportunity to comment on it prior to publication.

Sincerely,

Sister Susan Schorsten, HM

Sr. Susan Schorsten, H.M.
Executive Director

SSS/av

ST ELIZABETH MEDICAL CENTER

601 Miami Boulevard
Dayton, OH 45408

Medicare Provider Number: 360018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,271	6.6	7.7	0.6	11.6	12.1	0.8	14.9	15.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	75	32.0	25.7	8.6	33.3	28.6	10.3	38.7	31.7	11.6
Congestive Heart Failure	169	10.7	14.2	3.7	16.6	22.2	5.3	21.9	28.9	5.6
Pneumonia/Influenza	130	10.8	15.9	6.8	16.9	21.7	7.2	22.3	26.5	6.2
Chronic Obstructive Pulmonary Disease	58	8.6	8.6	6.2	12.1	14.4	4.9	19.0	19.3	5.8
Transient Cerebral Ischemia	59	1.7	2.0	2.0	3.4	4.4	3.2	5.1	7.0	4.3
Stroke	110	12.7	18.4	5.3	21.8	24.9	6.1	22.7	29.2	7.2
Hip Fracture	40	15.0	7.3	*	20.0	12.8	*	22.5	16.3	*
Sepsis	21	19.0	22.4	*	38.1	29.4	*	42.9	35.2	*
PROCEDURES:										
Angioplasty	31	0.0	2.7	*	0.0	3.5	*	0.0	4.6	*
Coronary Artery Bypass Graft	58	12.1	5.7	6.4	12.1	7.6	6.4	12.1	8.8	6.5
Initial Pacemaker Insertion	21	0.0	3.3	*	9.5	6.6	*	19.0	9.8	*
Carotid Endarterectomy	14	7.1	1.2	*	7.1	2.3	*	7.1	3.3	*
Hip Replacement/Reconstruction	30	3.3	2.6	*	6.7	4.8	*	6.7	6.4	*
Open Reduction of Hip Fracture	17	17.6	6.8	*	23.5	12.6	*	29.4	16.4	*
Prostatectomy	105	1.9	1.0	1.1	2.9	2.4	1.5	2.9	4.0	2.3
Cholecystectomy	59	1.7	3.7	2.6	1.7	6.0	3.7	1.7	7.8	4.7
Hysterectomy	20	0.0	0.4	*	5.0	1.0	*	10.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	560
Occupancy Rate	81
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	242
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	29
Registered Nurses	724
Licensed Practical Nurses	32

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST ELIZABETH MEDICAL CENTER

Medicare Provider Number: 360018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,395	7.5	8.5	0.7	12.8	13.1	0.6	16.6	16.7	0.6
CONDITIONS:										
Acute Myocardial Infarction	87	25.3	26.5	5.0	26.4	29.5	5.5	31.0	32.8	5.2
Congestive Heart Failure	166	12.7	15.3	4.9	20.5	23.6	5.6	27.7	30.3	5.3
Pneumonia/Influenza	125	11.2	16.6	6.4	16.8	22.6	6.3	22.4	27.4	5.9
Chronic Obstructive Pulmonary Disease	52	19.2	8.2	5.9	26.9	14.6	7.7	34.6	19.9	8.5
Transient Cerebral Ischemia	54	0.0	1.7	*	1.9	3.8	*	3.7	5.9	*
Stroke	107	17.8	21.7	6.7	22.4	27.8	5.2	25.2	32.2	5.6
Hip Fracture	47	4.3	6.4	*	10.6	11.4	*	19.1	14.7	*
Sepsis	21	19.0	24.1	*	28.6	31.0	*	28.6	36.7	*
PROCEDURES:										
Angioplasty	32	0.0	2.7	*	0.0	3.3	*	0.0	4.2	*
Coronary Artery Bypass Graft	63	4.8	5.9	3.3	6.3	8.2	4.9	6.3	9.7	5.4
Initial Pacemaker Insertion	21	0.0	5.3	*	9.5	9.5	*	14.3	13.0	*
Carotid Endarterectomy	18	5.6	1.6	*	5.6	3.0	*	11.1	4.3	*
Hip Replacement/Reconstruction	46	2.2	2.6	*	2.2	4.8	*	6.5	6.4	*
Open Reduction of Hip Fracture	17	0.0	5.3	*	11.8	9.8	*	17.6	12.7	*
Prostatectomy	94	0.0	0.9	1.3	1.1	2.1	1.8	2.1	3.5	2.3
Cholecystectomy	43	4.7	3.0	*	7.0	5.6	*	7.0	7.4	*
Hysterectomy	20	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,442	8.3	8.8	0.5	14.1	13.5	0.6	17.7	17.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	79	29.1	26.8	5.7	32.9	29.6	6.6	36.7	32.8	8.4
Congestive Heart Failure	154	13.6	16.6	4.3	24.7	25.3	3.5	31.2	32.5	3.9
Pneumonia/Influenza	126	8.7	17.1	4.5	23.8	23.3	4.4	27.8	28.2	4.0
Chronic Obstructive Pulmonary Disease	63	7.9	11.6	5.4	15.9	19.0	5.6	27.0	24.7	5.7
Transient Cerebral Ischemia	60	0.0	2.0	2.4	3.3	4.3	4.0	3.3	6.7	5.8
Stroke	136	14.7	22.8	5.3	22.1	28.9	5.1	26.5	33.3	5.1
Hip Fracture	66	7.6	7.8	3.6	13.6	13.9	4.3	15.2	17.9	5.7
Sepsis	21	38.1	23.8	*	52.4	31.2	*	61.9	37.0	*
PROCEDURES:										
Angioplasty	44	2.3	2.2	*	2.3	2.9	*	4.5	3.8	*
Coronary Artery Bypass Graft	55	5.5	5.8	3.2	9.1	7.6	4.2	10.9	8.7	5.0
Initial Pacemaker Insertion	34	2.9	3.4	*	17.6	6.8	*	20.6	10.1	*
Carotid Endarterectomy	18	5.6	1.7	*	11.1	3.3	*	16.7	4.7	*
Hip Replacement/Reconstruction	33	3.0	3.5	*	6.1	6.2	*	6.1	8.1	*
Open Reduction of Hip Fracture	32	6.3	7.3	*	9.4	13.9	*	12.5	18.4	*
Prostatectomy	122	2.5	1.2	1.5	4.1	2.9	2.0	6.6	4.8	2.3
Cholecystectomy	46	6.5	3.2	*	10.9	6.2	*	13.0	8.5	*
Hysterectomy	23	0.0	0.7	*	4.3	1.5	*	4.3	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST FRANCIS-ST GEORGE HOSPITAL INC

1860 Queen City Ave
Cincinnati, OH 45214

Medicare Provider Number: 360113

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,388	10.4	9.9	0.6	16.0	14.9	0.8	20.0	18.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	95	32.6	28.1	5.2	34.7	31.4	5.2	38.9	34.7	6.0
Congestive Heart Failure	209	15.8	16.0	3.7	24.4	24.6	3.2	33.5	31.6	3.8
Pneumonia/Influenza	223	16.6	18.2	3.0	25.6	24.4	3.5	29.6	29.4	3.1
Chronic Obstructive Pulmonary Disease	56	14.3	6.3	5.8	19.6	11.7	6.8	23.2	16.3	8.1
Transient Cerebral Ischemia	81	4.9	2.1	2.9	7.4	4.7	3.3	8.6	7.5	3.2
Stroke	130	18.5	20.9	5.0	23.1	28.0	6.2	28.5	32.5	5.9
Hip Fracture	97	13.4	7.9	5.6	17.5	13.9	5.0	20.6	17.8	4.7
Sepsis	57	10.5	26.4	8.5	24.6	34.1	9.1	31.6	39.7	7.3
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	46	4.3	3.0	*	10.9	5.9	*	17.4	8.8	*
Carotid Endarterectomy	17	5.9	1.6	*	11.8	3.0	*	11.8	4.5	*
Hip Replacement/Reconstruction	45	11.1	3.7	*	15.6	6.8	*	15.6	9.0	*
Open Reduction of Hip Fracture	42	9.5	7.4	*	11.9	13.7	*	16.7	17.9	*
Prostatectomy	102	3.9	1.3	2.4	3.9	3.1	2.2	6.9	5.1	3.1
Cholecystectomy	81	4.9	3.6	2.5	6.2	6.2	2.7	7.4	7.9	3.1
Hysterectomy	22	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 290
Occupancy Rate 70
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 191
Percent of Physicians Board Certified Specialists 66
Medical Residents/Interns 0
Registered Nurses 244
Licensed Practical Nurses 68

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... Yes
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST FRANCIS-ST GEORGE HOSPITAL INC

Medicare Provider Number: 360113

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,701	8.9	9.7	0.6	14.0	14.7	0.7	18.0	18.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	110	27.3	29.6	4.6	34.5	32.6	4.6	39.1	35.9	4.9
Congestive Heart Failure	228	11.4	16.3	3.5	19.7	24.7	3.4	30.7	31.4	3.1
Pneumonia/Influenza	180	17.2	18.8	4.1	24.4	25.0	5.0	28.9	29.8	3.8
Chronic Obstructive Pulmonary Disease	66	4.5	7.3	3.6	15.2	12.8	4.3	21.2	17.7	6.4
Transient Cerebral Ischemia	93	2.2	2.3	1.9	3.2	5.0	2.7	6.5	7.8	3.6
Stroke	139	17.3	21.0	5.7	25.9	28.5	6.6	30.9	33.3	4.9
Hip Fracture	120	6.7	7.3	2.4	14.2	13.1	4.3	16.7	16.8	5.3
Sepsis	39	10.3	25.3	*	23.1	33.3	*	33.3	39.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	45	8.9	4.6	*	17.8	8.0	*	22.2	11.0	*
Carotid Endarterectomy	14	7.1	1.6	*	7.1	3.0	*	7.1	4.4	*
Hip Replacement/Reconstruction	42	7.1	4.7	*	16.7	8.9	*	16.7	11.8	*
Open Reduction of Hip Fracture	51	2.0	6.8	5.9	9.8	13.0	7.6	13.7	17.0	7.3
Prostatectomy	79	1.3	1.5	1.4	6.3	3.7	3.0	7.6	6.2	3.8
Cholecystectomy	85	3.5	4.2	3.5	5.9	7.1	3.9	8.2	8.9	3.2
Hysterectomy	17	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,767	9.5	10.0	0.9	14.9	15.1	0.9	18.2	19.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	105	24.8	28.4	5.1	29.5	31.9	5.2	30.5	35.3	6.2
Congestive Heart Failure	244	16.0	17.4	2.7	27.5	25.6	3.8	34.4	32.4	3.4
Pneumonia/Influenza	164	22.0	19.8	4.6	29.9	26.4	6.3	32.3	31.6	4.6
Chronic Obstructive Pulmonary Disease	61	6.6	9.6	4.6	18.0	16.0	5.2	19.7	21.2	5.7
Transient Cerebral Ischemia	77	3.9	2.3	2.0	7.8	5.1	3.0	14.3	8.0	4.8
Stroke	159	17.0	23.4	4.5	25.2	30.7	4.5	27.7	35.2	4.8
Hip Fracture	110	7.3	8.0	2.7	11.8	14.0	6.1	13.6	17.7	7.1
Sepsis	46	19.6	26.7	*	28.3	33.7	*	34.8	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	44	9.1	4.4	*	11.4	8.2	*	15.9	11.5	*
Carotid Endarterectomy	20	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	57	3.5	4.5	2.8	7.0	8.3	4.5	8.8	10.8	4.6
Open Reduction of Hip Fracture	58	5.2	7.1	4.5	10.3	13.0	6.6	12.1	16.8	7.3
Prostatectomy	117	2.6	1.7	1.5	6.8	4.2	2.9	7.7	7.0	2.9
Cholecystectomy	97	2.1	4.5	3.4	4.1	7.4	4.0	9.3	9.4	3.0
Hysterectomy	23	0.0	1.0	*	0.0	2.3	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOHN & WESTSHORE HOSPITAL

29000 Center Ridge
West Lake, OH 44145

Medicare Provider Number: 360123

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,574	10.0	9.9	0.8	14.9	15.2	1.0	18.6	19.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	28	28.6	28.5	*	32.1	31.6	*	32.1	34.9	*
Congestive Heart Failure	91	20.9	16.2	5.2	31.9	24.9	7.9	40.7	32.0	9.3
Pneumonia/Influenza	78	12.8	18.7	5.1	21.8	24.9	5.1	32.1	29.8	5.8
Chronic Obstructive Pulmonary Disease	78	14.1	10.3	4.3	17.9	17.5	4.5	20.5	23.5	5.5
Transient Cerebral Ischemia	35	2.9	1.9	*	5.7	4.2	*	8.6	6.6	*
Stroke	69	24.6	22.0	5.5	30.4	29.1	5.8	30.4	33.9	7.5
Hip Fracture	47	0.0	6.7	*	2.1	11.9	*	4.3	15.5	*
Sepsis	12	41.7	46.1	*	41.7	53.5	*	41.7	59.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	4.6	*	13.3	9.1	*	13.3	12.8	*
Carotid Endarterectomy	12	8.3	1.3	*	16.7	2.6	*	16.7	3.9	*
Hip Replacement/Reconstruction	23	4.3	4.6	*	4.3	8.7	*	8.7	11.8	*
Open Reduction of Hip Fracture	23	0.0	6.4	*	4.3	11.7	*	4.3	15.2	*
Prostatectomy	26	3.8	0.8	*	3.8	2.0	*	3.8	3.4	*
Cholecystectomy	32	6.3	3.6	*	9.4	6.1	*	12.5	7.8	*
Hysterectomy	11	0.0	1.6	*	0.0	3.5	*	0.0	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1985

Total Beds 200
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 174
Licensed Practical Nurses 72

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

ST JOHN & WESTSHORE HOSPITAL

Medicare Provider Number: 360123

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,730	9.1	10.2	1.1	14.6	15.6	1.4	18.3	19.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	33	30.3	29.2	*	30.3	33.5	*	39.4	37.6	*
Congestive Heart Failure	119	21.8	18.3	5.6	31.1	27.1	6.9	35.3	34.1	5.6
Pneumonia/Influenza	75	21.3	23.5	5.3	32.0	30.4	5.5	37.3	35.4	5.8
Chronic Obstructive Pulmonary Disease	62	3.2	9.1	5.7	14.5	15.5	6.1	14.5	20.9	7.0
Transient Cerebral Ischemia	46	4.3	2.6	*	6.5	5.7	*	8.7	8.7	*
Stroke	74	14.9	21.4	8.3	18.9	28.9	10.5	25.7	33.7	10.5
Hip Fracture	50	2.0	7.3	*	10.0	13.3	*	14.0	17.2	*
Sepsis	15	46.7	43.1	*	66.7	50.3	*	66.7	57.4	*
PROCEDURE:										
Angioplasty	1	0.0	7.6	*	0.0	15.9	*	0.0	21.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	15.4	6.8	*	15.4	10.9	*	15.4	14.3	*
Carotid Endarterectomy	7	0.0	2.1	*	0.0	4.5	*	0.0	7.0	*
Hip Replacement/Reconstruction	30	3.3	5.5	*	10.0	10.8	*	10.0	14.6	*
Open Reduction of Hip Fracture	22	0.0	6.6	*	9.1	12.4	*	18.2	16.2	*
Prostatectomy	34	0.0	1.4	*	2.9	3.5	*	2.9	5.8	*
Cholecystectomy	38	5.3	6.3	*	13.2	11.1	*	15.8	14.0	*
Hysterectomy	14	0.0	0.7	*	0.0	1.4	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,619	9.8	9.8	0.8	15.4	14.9	1.2	19.1	18.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	31	38.7	32.3	*	41.9	35.7	*	41.9	39.2	*
Congestive Heart Failure	100	31.0	18.7	6.2	41.0	27.5	7.0	46.0	34.5	6.6
Pneumonia/Influenza	67	13.4	18.8	5.8	26.9	25.1	5.9	34.3	30.2	6.5
Chronic Obstructive Pulmonary Disease	48	6.3	13.1	*	18.8	21.2	*	25.0	27.2	*
Transient Cerebral Ischemia	41	0.0	2.2	*	0.0	4.8	*	0.0	7.5	*
Stroke	85	18.8	20.7	6.0	25.9	27.2	5.0	29.4	31.6	5.4
Hip Fracture	42	2.4	6.7	*	9.5	12.1	*	9.5	15.9	*
Sepsis	16	18.8	35.7	*	18.8	44.5	*	25.0	52.0	*
PROCEDURES:										
Angioplasty	4	0.0	7.0	*	25.0	10.4	*	25.0	12.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	4.4	*	9.1	8.1	*	9.1	11.6	*
Carotid Endarterectomy	8	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	19	0.0	3.8	*	0.0	7.1	*	0.0	9.3	*
Open Reduction of Hip Fracture	22	4.5	5.7	*	13.6	10.7	*	13.6	14.2	*
Prostatectomy	53	0.0	1.4	3.1	5.7	3.4	3.0	11.3	5.4	4.2
Cholecystectomy	36	2.8	2.8	*	5.6	5.2	*	5.6	6.9	*
Hysterectomy	8	0.0	1.0	*	0.0	2.0	*	12.5	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

315.1

St. John & West Shore Hospital
WESTLAKE HEALTH CAMPUS
More than a hospital and close to home

29000 Center Ridge Road
Westlake, Ohio 44145
216-835-8000

January 14, 1991

Provider Number - 36-0123

Health Care Financing Administration
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

St. John and West Shore Hospital reviewed a sampling of the Medicare hospital mortality information. A 15% sampling of the three diagnoses which had the greatest standard deviation were reviewed. Below are comments regarding the diagnoses of Congestive Heart Failure, Pneumonia/Influenza and Stroke.

Congestive Heart Failure

The ages of patients whose primary diagnosis was congestive heart failure were from 72 to 91 years old. One-half of the patients were 80 - 89 years.

Nine of the patients had Do Not Resuscitate orders. One patient was comatose. One expired after cardiopulmonary resuscitation was attempted. Many of the patients had underlying diseases which could have contributed to their deaths such as renal failure, chronic obstructive pulmonary disease, arteriosclerotic heart disease, hypertension, diabetes and atrial fibrillation.

Pneumonia/Influenza

The ages of patients whose primary diagnosis was pneumonia/influenza were from 66 to 93 years. One patient was 26 years old. One-half of the patients were 80 - 89 years old.

Two patients in the sample expired while in the hospital being treated for pneumonia. These two patients had Do Not Resuscitate orders. The other patients were discharged from the hospital in stable condition. One patient was brought into the emergency department one month later to be pronounced dead.

These patients also had underlying diseases such as cancer, congestive heart failure, chronic obstructive pulmonary disease, anemia, renal failure, diabetes and arteriosclerosis.

Stroke

The ages of patients whose primary diagnosis was stroke were from 57 to 88 years. One-half of the patients were 80 - 89 years old. Four of the patients in this sample had Do Not Resuscitate orders. One patient was comatose on admission.

Also many of these patients had underlying conditions which contributed to their poor prognosis such as hypertension, arteriosclerosis, diabetes, atrial fibrillation, congestive heart failure and coronary artery disease.

In summary, St. John and West Shore Hospital's mortality rate reflects an elderly population with numerous chronic, debilitating conditions.

Sincerely,

Linda Marsh

Linda Marsh
Quality Management Administrator

cc: Luke Miller
Larry Christman

0549/el

ST JOHN HOSPITAL

7911 Detroit Ave
Cleveland, OH 44102

Medicare Provider Number: 360053

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,018	11.9	11.0	1.2	19.5	17.2	1.7	24.1	22.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	24	41.7	27.9	*	45.8	30.7	*	54.2	33.6	*
Congestive Heart Failure	80	10.0	14.5	4.3	21.2	22.6	4.9	36.2	29.4	5.6
Pneumonia/Influenza	42	14.3	18.3	*	21.4	24.6	*	28.6	29.3	*
Chronic Obstructive Pulmonary Disease	35	11.4	11.7	*	20.0	20.2	*	20.0	26.6	*
Transient Cerebral Ischemia	30	3.3	2.2	*	10.0	5.1	*	10.0	8.1	*
Stroke	39	28.2	22.1	*	35.9	28.2	*	35.9	32.5	*
Hip Fracture	19	15.8	7.0	*	21.1	12.7	*	26.3	16.6	*
Sepsis	13	23.1	26.2	*	38.5	36.1	*	38.5	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	8.2	*	0.0	14.6	*	0.0	18.8	*
Carotid Endarterectomy	5	0.0	3.0	*	0.0	7.0	*	0.0	11.2	*
Hip Replacement/Reconstruction	10	20.0	2.7	*	20.0	5.6	*	30.0	8.1	*
Open Reduction of Hip Fracture	13	23.1	7.4	*	30.8	14.1	*	30.8	18.7	*
Prostatectomy	12	8.3	2.5	*	16.7	6.4	*	16.7	10.7	*
Cholecystectomy	14	7.1	4.6	*	14.3	8.4	*	14.3	10.7	*
Hysterectomy	3	0.0	0.4	*	33.3	1.0	*	33.3	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 220
Occupancy Rate 43
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 167
Percent of Physicians Board Certified Specialists 69
Medical Residents/Interns 0
Registered Nurses 102
Licensed Practical Nurses 35

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST JOHN HOSPITAL

Medicare Provider Number: 360053

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,118	11.2	11.2	1.0	17.3	17.2	1.4	20.8	21.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	24	37.5	29.5	*	41.7	32.6	*	41.7	36.0	*
Congestive Heart Failure	93	19.4	17.4	4.5	23.7	26.4	5.1	29.0	33.6	7.2
Pneumonia/Influenza	43	18.6	19.0	*	20.9	25.6	*	23.3	30.8	*
Chronic Obstructive Pulmonary Disease	35	8.6	10.6	*	8.6	17.1	*	14.3	22.5	*
Transient Cerebral Ischemia	37	5.4	2.1	*	8.1	4.6	*	8.1	7.2	*
Stroke	47	25.5	22.8	*	42.6	30.6	*	42.6	35.7	*
Hip Fracture	20	5.0	8.0	*	25.0	13.6	*	25.0	17.1	*
Sepsis	23	13.0	31.0	*	26.1	42.0	*	30.4	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.5	*	0.0	7.9	*	0.0	10.9	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	9	0.0	3.5	*	22.2	6.4	*	22.2	8.5	*
Open Reduction of Hip Fracture	12	8.3	7.8	*	33.3	13.9	*	33.3	17.6	*
Prostatectomy	11	0.0	1.2	*	9.1	2.9	*	18.2	4.6	*
Cholecystectomy	20	0.0	2.1	*	0.0	3.8	*	0.0	4.7	*
Hysterectomy	3	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,254	9.0	11.1	1.2	15.9	16.9	1.4	20.3	21.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	27	25.9	33.3	*	37.0	36.8	*	40.7	39.9	*
Congestive Heart Failure	89	15.7	19.3	4.5	27.0	28.8	5.1	29.2	36.1	6.2
Pneumonia/Influenza	41	17.1	20.8	*	29.3	27.6	*	34.1	32.9	*
Chronic Obstructive Pulmonary Disease	48	8.3	15.0	*	14.6	23.7	*	18.7	29.8	*
Transient Cerebral Ischemia	40	2.5	2.3	*	7.5	4.9	*	7.5	7.7	*
Stroke	57	26.3	22.2	6.7	35.1	29.4	8.4	38.6	33.9	9.9
Hip Fracture	22	0.0	7.4	*	4.5	13.2	*	13.6	16.8	*
Sepsis	22	13.6	33.7	*	27.3	43.2	*	31.8	49.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.4	*	0.0	6.6	*	0.0	9.3	*
Carotid Endarterectomy	2	0.0	2.2	*	0.0	4.3	*	0.0	6.4	*
Hip Replacement/Reconstruction	10	0.0	6.6	*	0.0	12.8	*	0.0	16.9	*
Open Reduction of Hip Fracture	11	0.0	7.4	*	0.0	13.4	*	9.1	17.0	*
Prostatectomy	14	0.0	2.4	*	7.1	6.0	*	7.1	10.0	*
Cholecystectomy	24	4.2	2.7	*	4.2	4.5	*	4.2	5.8	*
Hysterectomy	8	0.0	1.0	*	0.0	2.2	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOHN MEDICAL CENTER

St John Heights
Steubenville, OH 43952

Medicare Provider Number: 360083

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,483	10.4	8.7	1.1	15.5	13.2	1.4	18.1	16.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	35	34.3	28.0	*	40.0	30.8	*	42.9	34.0	*
Congestive Heart Failure	105	19.0	17.1	4.5	29.5	26.3	5.4	35.2	33.6	4.8
Pneumonia/Influenza	67	11.9	17.3	6.3	20.9	23.6	8.2	22.4	28.4	9.3
Chronic Obstructive Pulmonary Disease	42	9.5	7.0	*	16.7	12.9	*	19.0	18.1	*
Transient Cerebral Ischemia	39	5.1	2.2	*	7.7	4.9	*	10.3	7.9	*
Stroke	52	19.2	20.7	5.8	23.1	27.1	7.4	28.8	31.4	6.9
Hip Fracture	22	13.6	6.2	*	22.7	11.0	*	31.8	14.3	*
Sepsis	10	10.0	26.0	*	10.0	35.6	*	30.0	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.3	*	0.0	6.7	*	0.0	9.9	*
Carotid Endarterectomy	18	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	9	0.0	4.8	*	0.0	8.6	*	0.0	11.2	*
Open Reduction of Hip Fracture	11	18.2	6.2	*	36.4	11.5	*	45.5	14.9	*
Prostatectomy	57	0.0	0.6	2.4	5.3	1.6	2.9	5.3	2.7	3.7
Cholecystectomy	26	7.7	1.6	*	7.7	2.7	*	7.7	3.5	*
Hysterectomy	3	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 201
Occupancy Rate 58
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 77
Percent of Physicians Board Certified Specialists 58
Medical Residents/Interns 0
Registered Nurses 175
Licensed Practical Nurses 25

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST JOHN MEDICAL CENTER

Medicare Provider Number: 360083

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,614	8.6	8.7	0.8	13.1	13.1	1.0	16.4	16.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	41	26.8	32.1	*	31.7	35.5	*	39.0	39.1	*
Congestive Heart Failure	103	14.6	16.0	5.1	22.3	24.5	4.7	27.2	31.4	7.2
Pneumonia/Influenza	77	18.2	18.6	4.5	20.8	25.2	5.7	27.3	30.1	5.7
Chronic Obstructive Pulmonary Disease	42	4.8	6.2	*	11.9	11.5	*	11.9	16.0	*
Transient Cerebral Ischemia	45	0.0	1.7	*	6.7	3.7	*	6.7	5.8	*
Stroke	58	20.7	21.9	7.2	29.3	28.8	6.2	31.0	33.8	6.8
Hip Fracture	24	4.2	6.8	*	4.2	12.4	*	12.5	15.9	*
Sepsis	14	28.6	27.5	*	28.6	33.8	*	28.6	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.4	*	0.0	5.9	*	0.0	8.2	*
Carotid Endarterectomy	6	0.0	1.9	*	0.0	3.7	*	0.0	5.5	*
Hip Replacement/Reconstruction	6	0.0	4.7	*	0.0	9.2	*	16.7	12.4	*
Open Reduction of Hip Fracture	16	0.0	6.3	*	0.0	11.9	*	6.3	15.5	*
Prostatectomy	62	0.0	1.1	1.8	3.2	2.4	2.1	3.2	3.8	2.7
Cholecystectomy	26	0.0	5.6	*	15.4	9.4	*	15.4	11.3	*
Hysterectomy	6	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,563	9.2	9.2	0.9	14.5	13.9	1.2	18.2	17.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	51	33.3	28.9	8.2	35.3	32.3	8.3	39.2	35.8	7.7
Congestive Heart Failure	95	25.3	17.1	6.3	30.5	25.8	5.7	36.8	32.9	5.3
Pneumonia/Influenza	67	11.9	18.0	7.7	16.4	24.2	7.9	22.4	29.1	7.6
Chronic Obstructive Pulmonary Disease	26	30.8	13.2	*	34.6	21.6	*	38.5	27.5	*
Transient Cerebral Ischemia	44	0.0	1.9	*	0.0	4.0	*	2.3	6.3	*
Stroke	49	22.4	20.7	*	30.6	27.7	*	36.7	32.3	*
Hip Fracture	28	3.6	7.3	*	25.0	12.9	*	25.0	16.7	*
Sepsis	16	37.5	34.0	*	50.0	41.4	*	50.0	47.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	4.0	*	0.0	8.1	*	23.1	11.9	*
Carotid Endarterectomy	20	0.0	1.8	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	9	0.0	4.5	*	11.1	8.2	*	11.1	10.7	*
Open Reduction of Hip Fracture	21	4.8	6.7	*	23.8	12.6	*	23.8	16.5	*
Prostatectomy	40	0.0	0.9	*	5.0	2.1	*	5.0	3.4	*
Cholecystectomy	26	0.0	2.8	*	0.0	5.1	*	0.0	6.6	*
Hysterectomy	9	11.1	0.4	*	22.2	0.8	*	22.2	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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St. John Medical Center

St. John Heights Steubenville, OH 43952 614-264-8000

January 10, 1991

Ms. Sandra Kappert
Health Standards and Quality Bureau
Health Care Finance Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

RE: HCFA 1989 Mortality Data

St. John Medical Center has reviewed the Mortality data compiled by HCFA for FY 1989. As stated previously in our correspondence regarding the 1988 mortality data, this information alone does not indicate the quality of care delivered at a health care facility.

Recognizing what is factored into HCFA's data measurement and realizing what we strive to attain through a comprehensive Quality Management program we do have similar goals in effect... improving the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries.

In providing our comments to HCFA it is our hope that the reporting and release of mortality data by HCFA will be completed in a manner which reflects the tangible factors healthcare providers equate into the care provided to beneficiaries - that being severity of illness, chronicity, environment and patient population.

It is my belief that responsible collection of pertinent information and reporting of meaningful data will be the basis for consumers to make informed decisions for their hospital care.

With personal regards, I remain,

Very truly yours,

Robert G. Filby, Ph.D.
President

cdc

ST JOSEPH HOSPITAL & HEALTH CENTER

205 West 20th Street
Lorain, OH 44052

Medicare Provider Number: 360204

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,829	8.4	9.3	1.3	13.5	14.4	1.6	17.6	18.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	47	21.3	26.2	*	27.7	29.4	*	27.7	32.8	*
Congestive Heart Failure	135	14.1	15.6	4.8	20.7	23.7	6.5	27.4	30.6	7.6
Pneumonia/Influenza	101	14.9	17.8	4.3	26.7	23.9	5.1	32.7	28.8	5.6
Chronic Obstructive Pulmonary Disease	51	2.0	15.0	6.7	9.8	21.7	7.5	15.7	27.4	7.7
Transient Cerebral Ischemia	46	0.0	1.8	*	2.2	3.8	*	6.5	6.0	*
Stroke	91	18.7	16.8	4.4	26.4	23.8	6.6	31.9	28.1	7.3
Hip Fracture	38	7.9	6.5	*	15.8	11.6	*	21.1	15.0	*
Sepsis	8	12.5	20.1	*	25.0	28.1	*	25.0	33.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.5	*	0.0	5.0	*	10.0	7.5	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	20	0.0	3.7	*	5.0	7.5	*	10.0	10.8	*
Open Reduction of Hip Fracture	24	12.5	6.2	*	20.8	11.6	*	25.0	15.2	*
Prostatectomy	75	0.0	1.0	1.5	4.0	2.4	2.3	4.0	4.0	2.5
Cholecystectomy	37	0.0	3.0	*	2.7	5.7	*	5.4	7.7	*
Hysterectomy	15	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	250
Occupancy Rate	59
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	144
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	223
Licensed Practical Nurses	104

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPH HOSPITAL & HEALTH CENTER

Medicare Provider Number: 360204

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,943	9.1	10.3	0.9	14.0	15.9	1.0	17.6	20.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	45	24.4	27.8	*	26.7	31.2	*	28.9	34.7	*
Congestive Heart Failure	143	14.7	18.6	4.5	21.7	27.1	6.2	28.7	34.3	7.0
Pneumonia/Influenza	69	20.3	20.1	5.6	26.1	27.3	5.5	29.0	32.6	6.5
Chronic Obstructive Pulmonary Disease	37	10.8	12.3	*	10.8	19.0	*	18.9	24.9	*
Transient Cerebral Ischemia	48	2.1	2.3	*	2.1	5.0	*	2.1	7.8	*
Stroke	86	11.6	20.2	5.6	18.6	27.0	6.7	19.8	31.5	7.5
Hip Fracture	33	9.1	9.5	*	21.2	16.9	*	24.2	21.3	*
Sepsis	17	47.1	29.5	*	52.9	37.1	*	58.8	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.9	*	0.0	2.3	*	0.0	3.8	*
Carotid Endarterectomy	13	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	19	5.3	6.1	*	10.5	12.2	*	15.8	16.2	*
Open Reduction of Hip Fracture	20	5.0	8.0	*	20.0	15.0	*	25.0	19.5	*
Prostatectomy	77	1.3	1.4	1.5	2.6	3.4	2.6	5.2	5.6	4.1
Cholecystectomy	37	2.7	3.0	*	2.7	5.4	*	5.4	7.2	*
Hysterectomy	20	5.0	1.0	*	5.0	2.0	*	5.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,001	10.5	10.4	0.7	15.7	16.2	0.9	20.0	20.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	57	38.6	29.8	10.4	42.1	32.7	9.7	42.1	35.9	8.8
Congestive Heart Failure	130	19.2	19.0	3.5	26.2	27.4	4.3	38.5	34.5	6.0
Pneumonia/Influenza	71	16.9	18.0	4.7	21.1	24.1	6.8	25.4	29.2	7.9
Chronic Obstructive Pulmonary Disease	36	13.9	14.2	*	22.2	23.6	*	30.6	30.6	*
Transient Cerebral Ischemia	63	0.0	2.4	2.9	0.0	5.1	5.4	4.8	7.9	4.3
Stroke	82	20.7	20.8	5.0	28.0	27.9	5.0	31.7	32.4	5.7
Hip Fracture	37	10.8	9.1	*	13.5	15.7	*	13.5	19.6	*
Sepsis	20	25.0	21.4	*	40.0	27.8	*	40.0	32.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	2.0	*	14.3	4.2	*	14.3	6.4	*
Carotid Endarterectomy	15	0.0	3.1	*	0.0	6.6	*	6.7	10.0	*
Hip Replacement/Reconstruction	22	9.1	5.7	*	9.1	10.4	*	9.1	13.3	*
Open Reduction of Hip Fracture	18	11.1	7.7	*	11.1	13.8	*	11.1	17.4	*
Prostatectomy	87	2.3	1.5	1.9	4.6	3.7	3.3	5.7	6.2	4.2
Cholecystectomy	34	2.9	4.5	*	5.9	8.3	*	5.9	10.8	*
Hysterectomy	17	5.9	1.3	*	5.9	2.8	*	5.9	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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ST JOSEPH Hospital & Health Center
205 West 20th Street
Lorain, Ohio 44052-3794
(216) 233-1000

January 7, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.,
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to review our hospital's mortality rates prior to public release. We have examined our data and feel confident that our observed mortality rates have fallen within acceptable ranges based on HCFA's formula for comparing observed rates with predicted rates. We, therefore, have no public comments to make.

Thank you for your time.

Respectfully,

James Stephens, R.N., A.R.T.
Quality Assurance Specialist

mcc

ST JOSEPH RIVERSIDE HOSPITAL

1400 Tod Ave NW
Warren, OH 44485

Medicare Provider Number: 360021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,481	8.4	7.8	0.8	12.8	12.0	1.1	16.5	15.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	31	22.6	21.8	*	22.6	24.7	*	29.0	27.6	*
Congestive Heart Failure	88	15.9	13.9	4.0	26.1	21.9	6.2	33.0	28.3	7.3
Pneumonia/Influenza	67	17.9	16.7	4.6	23.9	22.7	5.1	29.9	27.3	5.9
Chronic Obstructive Pulmonary Disease	28	14.3	7.9	*	21.4	13.6	*	21.4	18.6	*
Transient Cerebral Ischemia	25	0.0	1.9	*	8.0	4.0	*	8.0	6.1	*
Stroke	52	23.1	19.9	6.7	34.6	26.7	8.7	42.3	31.0	11.5
Hip Fracture	29	10.3	6.5	*	13.8	11.5	*	13.8	14.8	*
Sepsis	12	41.7	27.1	*	41.7	35.1	*	50.0	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	3.3	*	22.2	6.7	*	33.3	9.7	*
Carotid Endarterectomy	5	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	23	8.7	5.4	*	13.0	10.6	*	13.0	14.4	*
Open Reduction of Hip Fracture	9	11.1	6.3	*	11.1	11.4	*	11.1	14.8	*
Prostatectomy	55	0.0	0.7	2.3	3.6	1.8	2.8	7.3	3.0	4.0
Cholecystectomy	29	6.9	2.2	*	6.9	4.0	*	6.9	5.4	*
Hysterectomy	10	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 204
Occupancy Rate 59
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 75
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 0
Registered Nurses 150
Licensed Practical Nurses 63

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST JOSEPH RIVERSIDE HOSPITAL

Medicare Provider Number: 360021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,380	11.1	8.4	1.2	16.3	13.0	1.5	19.8	16.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	24	25.0	26.1	*	33.3	29.0	*	33.3	32.1	*
Congestive Heart Failure	90	23.3	15.4	7.7	28.9	23.4	7.5	34.4	30.1	6.1
Pneumonia/Influenza	38	34.2	19.2	*	44.7	25.8	*	50.0	30.7	*
Chronic Obstructive Pulmonary Disease	26	23.1	7.9	*	30.8	13.9	*	30.8	19.0	*
Transient Cerebral Ischemia	30	3.3	2.5	*	10.0	5.3	*	10.0	8.2	*
Stroke	49	14.3	19.9	*	30.6	27.0	*	32.7	31.7	*
Hip Fracture	27	11.1	6.0	*	29.6	10.9	*	29.6	14.2	*
Sepsis	10	30.0	31.3	*	30.0	37.9	*	40.0	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	2.3	*	11.1	4.8	*	11.1	7.1	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	18	5.6	3.1	*	16.7	6.1	*	16.7	8.2	*
Open Reduction of Hip Fracture	13	7.7	5.6	*	30.8	10.7	*	30.8	14.1	*
Prostatectomy	58	0.0	1.9	3.4	3.4	4.1	4.4	10.3	6.5	4.2
Cholecystectomy	37	5.4	2.1	*	8.1	3.7	*	10.8	4.7	*
Hysterectomy	9	0.0	0.8	*	0.0	2.0	*	11.1	3.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,443	8.6	8.6	0.7	13.4	13.3	1.0	17.5	17.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	25.7	*	24.0	29.2	*	28.0	32.4	*
Congestive Heart Failure	126	22.2	15.4	5.8	27.8	23.6	5.9	35.7	30.4	5.7
Pneumonia/Influenza	38	23.7	18.0	*	26.3	24.1	*	36.8	28.7	*
Chronic Obstructive Pulmonary Disease	20	35.0	18.8	*	50.0	30.5	*	55.0	38.1	*
Transient Cerebral Ischemia	28	0.0	2.8	*	14.3	6.2	*	14.3	9.7	*
Stroke	51	15.7	20.0	8.3	19.6	26.8	8.9	23.5	31.4	7.9
Hip Fracture	24	16.7	7.0	*	20.8	12.3	*	25.0	15.6	*
Sepsis	9	33.3	35.7	*	44.4	43.4	*	44.4	50.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	3.9	*	4.3	8.0	*	8.7	11.8	*
Carotid Endarterectomy	9	0.0	1.9	*	0.0	3.8	*	11.1	5.5	*
Hip Replacement/Reconstruction	21	14.3	3.7	*	14.3	6.8	*	19.0	8.8	*
Open Reduction of Hip Fracture	12	8.3	6.7	*	16.7	12.0	*	16.7	15.4	*
Prostatectomy	28	0.0	1.0	*	3.6	2.5	*	3.6	4.1	*
Cholecystectomy	41	2.4	1.9	*	2.4	3.4	*	7.3	4.5	*
Hysterectomy	6	0.0	0.6	*	0.0	1.5	*	0.0	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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MEDICARE PROVIDER NUMBER: 360021

St. Joseph Riverside Hospital

1400 TOD AVE., N.W. / WARREN, OHIO 44485-2499 / (216) 841-4000

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

COMMENTS FROM ST. JOSEPH RIVERSIDE HOSPITAL

Statistically, St. Joseph Riverside Hospital's results are within the standard deviation in all categories. However, we reviewed the cases in order to use the review as a quality assurance tool. We found that 14 of the 25 patients utilized in computing the 180 day mortality rates for St. Joseph Riverside Hospital,actually expired more than 180 days after discharge. The time frame for the deaths of these 14 patients varied from 7 to 12 months.

This mortality data can be useful as a quality assurance screen for hospitals. We will continue to use it, along with our many other quality assurance activities, to review and assure the quality of care given to our patients.

Steven H. Dickstein
Chief Financial Officer
St. Joseph Riverside Hospital

Paula E. Muir, A.R.T.
Director of Medical Records
St. Joseph Riverside Hospital

pem/

ST LUKES HOSPITAL

5901 Monclova Rd
Maumee, OH 43537

Medicare Provider Number: 360090

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,330	8.1	9.6	0.8	12.6	14.3	1.0	16.2	18.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	133	17.3	31.1	5.0	25.6	34.9	4.7	31.6	38.8	4.6
Congestive Heart Failure	123	14.6	14.9	3.4	24.4	23.0	4.1	33.3	29.8	5.8
Pneumonia/Influenza	118	16.9	17.6	6.5	27.1	23.8	6.7	33.1	28.7	9.1
Chronic Obstructive Pulmonary Disease	82	4.9	7.9	3.7	7.3	13.8	5.2	8.5	18.9	6.3
Transient Cerebral Ischemia	43	0.0	1.9	*	0.0	4.1	*	2.3	6.6	*
Stroke	113	15.9	18.8	4.1	22.1	25.4	4.7	24.8	29.8	5.8
Hip Fracture	61	8.2	6.1	3.7	9.8	10.8	4.1	11.5	13.9	5.7
Sepsis	18	27.8	25.5	*	27.8	33.8	*	33.3	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	3.9	*	4.8	6.7	*	9.5	9.6	*
Carotid Endarterectomy	36	2.8	1.6	*	5.6	3.1	*	8.3	4.6	*
Hip Replacement/Reconstruction	33	12.1	4.0	*	15.2	7.2	*	18.2	9.4	*
Open Reduction of Hip Fracture	28	7.1	5.3	*	7.1	9.8	*	7.1	12.9	*
Prostatectomy	58	0.0	1.4	2.2	0.0	3.5	4.7	5.2	6.0	3.7
Cholecystectomy	41	0.0	1.9	*	0.0	3.1	*	0.0	3.9	*
Hysterectomy	20	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 243
Occupancy Rate 59
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 127
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 0
Registered Nurses 204
Licensed Practical Nurses 46

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

ST LUKES HOSPITAL

Medicare Provider Number: 360090

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,367	8.3	9.8	1.0	13.4	14.5	1.1	16.9	18.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	110	29.1	31.8	6.2	34.5	35.4	5.6	38.2	39.4	4.9
Congestive Heart Failure	117	15.4	17.0	4.0	25.6	25.6	4.8	30.8	32.4	4.6
Pneumonia/Influenza	129	12.4	18.5	5.8	17.8	24.5	6.4	20.9	29.2	7.1
Chronic Obstructive Pulmonary Disease	58	8.6	10.4	7.6	10.3	16.9	7.1	15.5	22.3	7.5
Transient Cerebral Ischemia	49	8.2	2.2	*	10.2	4.7	*	12.2	7.3	*
Stroke	83	20.5	20.2	4.4	27.7	26.7	5.0	32.5	31.2	5.4
Hip Fracture	73	5.5	7.6	5.0	13.7	13.6	4.4	16.4	17.3	4.7
Sepsis	35	17.1	29.7	*	22.9	36.2	*	28.6	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	3.4	5.3	*	6.9	9.0	*	6.9	12.5	*
Carotid Endarterectomy	27	7.4	1.5	*	7.4	2.9	*	7.4	4.4	*
Hip Replacement/Reconstruction	47	0.0	4.3	*	10.6	8.2	*	14.9	10.8	*
Open Reduction of Hip Fracture	37	8.1	7.0	*	10.8	13.0	*	10.8	16.8	*
Prostatectomy	66	1.5	0.9	2.9	6.1	2.3	4.2	6.1	3.8	4.7
Cholecystectomy	50	4.0	2.8	*	6.0	4.8	*	6.0	6.0	*
Hysterectomy	23	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,349	9.1	9.5	0.7	14.3	14.1	1.2	17.1	17.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	121	21.5	32.1	7.3	28.1	35.7	7.7	30.6	39.6	7.3
Congestive Heart Failure	162	11.7	16.2	5.2	22.8	24.6	4.7	28.4	31.5	4.9
Pneumonia/Influenza	114	18.4	18.5	3.8	23.7	25.1	6.1	24.6	30.2	7.5
Chronic Obstructive Pulmonary Disease	49	6.1	10.6	*	14.3	17.1	*	16.3	22.1	*
Transient Cerebral Ischemia	50	2.0	2.4	*	4.0	5.3	*	8.0	8.2	*
Stroke	98	19.4	19.9	4.1	24.5	26.7	4.9	29.6	31.1	4.9
Hip Fracture	64	9.4	7.0	4.1	10.9	12.0	4.2	14.1	15.2	4.9
Sepsis	18	16.7	29.0	*	16.7	37.2	*	27.8	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	11.1	5.5	*	14.8	9.9	*	18.5	13.6	*
Carotid Endarterectomy	35	0.0	1.8	*	2.9	3.4	*	2.9	5.0	*
Hip Replacement/Reconstruction	39	2.6	4.4	*	2.6	8.0	*	5.1	10.5	*
Open Reduction of Hip Fracture	30	10.0	5.4	*	13.3	9.8	*	13.3	12.8	*
Prostatectomy	67	0.0	1.0	1.5	0.0	2.5	2.9	3.0	4.2	2.7
Cholecystectomy	41	4.9	3.7	*	7.3	6.2	*	9.8	7.8	*
Hysterectomy	12	8.3	0.3	*	8.3	0.6	*	8.3	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST LUKES HOSPITAL ASSOCIATION

11311 Shaker Blvd
Cleveland, OH 44104

Medicare Provider Number: 360045

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,452	8.1	8.8	0.9	12.7	13.4	1.0	16.8	17.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	69	30.4	28.1	6.4	33.3	32.0	5.7	40.6	36.0	7.4
Congestive Heart Failure	119	10.9	14.4	5.5	20.2	22.4	5.7	24.4	29.0	7.8
Pneumonia/Influenza	74	14.9	16.9	5.7	21.6	22.9	5.3	29.7	27.8	6.0
Chronic Obstructive Pulmonary Disease	44	18.2	11.8	*	25.0	20.0	*	27.3	26.3	*
Transient Cerebral Ischemia	34	2.9	1.9	*	2.9	4.3	*	8.8	7.0	*
Stroke	69	13.0	17.3	6.2	18.8	23.6	6.5	26.1	27.8	5.6
Hip Fracture	39	5.1	7.6	*	5.1	13.6	*	7.7	17.7	*
Sepsis	21	14.3	32.3	*	28.6	41.0	*	38.1	47.5	*
PROCEDURES:										
Angioplasty	40	7.5	2.4	*	7.5	3.5	*	10.0	4.8	*
Coronary Artery Bypass Graft	60	6.7	5.6	3.3	8.3	7.9	3.7	8.3	9.3	4.3
Initial Pacemaker Insertion	16	6.3	7.0	*	18.8	12.0	*	18.8	16.7	*
Carotid Endarterectomy	8	0.0	1.0	*	0.0	1.8	*	0.0	2.7	*
Hip Replacement/Reconstruction	38	5.3	2.5	*	5.3	4.6	*	7.9	6.2	*
Open Reduction of Hip Fracture	19	5.3	6.6	*	5.3	12.6	*	5.3	16.8	*
Prostatectomy	58	0.0	1.1	2.0	3.4	2.7	2.2	3.4	4.5	3.2
Cholecystectomy	43	7.0	4.6	*	9.3	9.1	*	14.0	12.2	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	404
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	261
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	89
Registered Nurses	460
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST LUKES HOSPITAL ASSOCIATION

Medicare Provider Number: 360045

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,693	8.4	8.9	0.6	14.3	13.6	0.7	17.6	17.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	93	20.4	28.4	6.8	31.2	32.1	5.0	33.3	36.0	5.2
Congestive Heart Failure	122	13.9	16.7	5.6	23.8	25.5	6.2	27.9	32.6	7.2
Pneumonia/Influenza	58	13.8	19.9	9.9	22.4	27.2	7.5	29.3	32.4	6.7
Chronic Obstructive Pulmonary Disease	47	17.0	11.4	*	21.3	18.7	*	29.8	24.5	*
Transient Cerebral Ischemia	31	0.0	2.0	*	6.5	4.6	*	9.7	7.3	*
Stroke	84	17.9	20.5	6.4	34.5	27.7	6.2	40.5	32.4	7.2
Hip Fracture	54	3.7	7.0	6.0	11.1	12.3	7.3	18.5	15.5	7.9
Sepsis	25	20.0	32.5	*	32.0	39.9	*	40.0	45.9	*
PROCEDURES:										
Angioplasty	21	4.8	2.4	*	9.5	3.0	*	9.5	3.8	*
Coronary Artery Bypass Graft	52	9.6	8.0	4.1	11.5	11.2	4.5	11.5	13.0	4.8
Initial Pacemaker Insertion	12	0.0	3.2	*	8.3	5.4	*	8.3	7.6	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	51	0.0	1.9	2.7	2.0	3.7	3.7	3.9	5.0	3.6
Open Reduction of Hip Fracture	19	5.3	7.7	*	10.5	13.9	*	26.3	17.7	*
Prostatectomy	85	0.0	0.9	1.5	2.4	2.3	1.8	5.9	3.9	2.5
Cholecystectomy	28	0.0	5.0	*	3.6	7.9	*	7.1	9.7	*
Hysterectomy	12	0.0	1.9	*	8.3	4.3	*	8.3	6.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,699	7.9	9.2	0.8	12.0	14.0	0.9	16.2	17.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	75	20.0	31.3	7.3	22.7	34.7	8.0	22.7	37.9	8.6
Congestive Heart Failure	136	21.3	17.6	6.0	30.1	26.5	6.9	36.0	33.7	6.4
Pneumonia/Influenza	36	22.2	20.9	*	27.8	28.3	*	36.1	33.9	*
Chronic Obstructive Pulmonary Disease	48	8.3	19.2	*	16.7	29.7	*	29.2	36.3	*
Transient Cerebral Ischemia	27	0.0	2.1	*	0.0	4.7	*	11.1	7.4	*
Stroke	79	12.7	18.4	9.5	19.0	25.5	8.7	24.1	30.0	10.0
Hip Fracture	44	4.5	8.1	*	13.6	14.3	*	18.2	18.4	*
Sepsis	19	15.8	28.2	*	26.3	36.6	*	31.6	42.8	*
PROCEDURES:										
Angioplasty	20	0.0	2.1	*	0.0	2.9	*	0.0	3.8	*
Coronary Artery Bypass Graft	46	10.9	7.8	*	13.0	10.3	*	13.0	11.7	*
Initial Pacemaker Insertion	13	7.7	5.7	*	15.4	10.3	*	15.4	13.8	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	67	1.5	2.0	2.2	4.5	3.7	2.5	4.5	4.9	3.0
Open Reduction of Hip Fracture	15	6.7	6.5	*	20.0	12.1	*	26.7	15.7	*
Prostatectomy	79	1.3	1.1	1.5	3.8	2.6	2.2	3.8	4.3	3.0
Cholecystectomy	37	2.7	2.9	*	2.7	5.2	*	2.7	6.7	*
Hysterectomy	9	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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SAINT LUKE'S HOSPITAL ASSOCIATION

11311 SHAKER BOULEVARD / CLEVELAND, OHIO 44104 / (216) 368-7000

PRESIDENT AND
CHIEF EXECUTIVE OFFICER
P. DAVID YOUNGDAHL
368-7710

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207
ATTN: Mrs. Sandra Kappert

SUBJECT: Medicare Provider #36-0045

Dear Mrs. Kappert:

The 1989 HCFA Mortality data released, shows that the observed mortality rates for Saint Luke's Hospital (SLH) are within one standard deviation of the expected mortality rate in all but one category for one period (1988 stroke -- 180 days). We are very pleased with these rates as they reinforce the positive perception of this healthcare facility.

As always, we will use these data to screen for specific trends as they relate to the quality and appropriateness of patient care provided here at SLH. We will look for opportunities to improve our services.

Thank you for allowing us to respond to this valuable information.

Sincerely,

P. David Youngdahl

P. David Youngdahl
President & Chief Executive Officer

ST RITAS MEDICAL CENTER

730 West Market Street
Lima, OH 45801

Medicare Provider Number: 360066

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,347	9.5	8.9	1.1	14.0	13.9	0.7	18.0	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	62	25.8	29.9	8.7	32.3	32.8	8.0	35.5	36.1	6.2
Congestive Heart Failure	151	14.6	14.6	4.6	21.2	22.7	4.6	29.8	29.4	4.1
Pneumonia/Influenza	104	20.2	17.5	7.2	28.8	23.9	8.4	33.7	28.9	9.6
Chronic Obstructive Pulmonary Disease	49	2.0	7.6	*	6.1	13.7	*	10.2	19.1	*
Transient Cerebral Ischemia	52	0.0	1.8	*	0.0	4.2	*	0.0	6.7	*
Stroke	81	22.2	21.7	4.6	34.6	28.6	6.5	35.8	33.1	5.6
Hip Fracture	58	5.2	7.2	3.6	5.2	12.5	7.5	19.0	16.0	5.2
Sepsis	17	23.5	27.9	*	41.2	37.6	*	41.2	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.2	*	0.0	6.4	*	0.0	9.5	*
Carotid Endarterectomy	15	0.0	1.3	*	0.0	2.4	*	13.3	3.5	*
Hip Replacement/Reconstruction	49	0.0	2.9	*	0.0	5.5	*	6.1	7.4	*
Open Reduction of Hip Fracture	22	4.5	7.4	*	4.5	13.3	*	22.7	17.0	*
Prostatectomy	52	0.0	0.8	*	0.0	2.1	*	0.0	3.6	*
Cholecystectomy	44	0.0	2.7	*	2.3	5.0	*	4.5	6.9	*
Hysterectomy	23	0.0	1.6	*	4.3	2.9	*	4.3	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 342
Occupancy Rate 83
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 148
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 0
Registered Nurses 385
Licensed Practical Nurses 79

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST RITAS MEDICAL CENTER

Medicare Provider Number: 360066

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,027	8.6	9.2	0.9	13.6	13.9	1.2	16.7	17.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	66	28.8	34.5	6.4	33.3	37.3	6.3	34.8	40.7	6.8
Congestive Heart Failure	138	9.4	15.2	4.8	18.8	23.0	7.2	22.5	29.5	6.4
Pneumonia/Influenza	81	21.0	18.6	5.2	24.7	24.8	4.8	27.2	29.8	5.6
Chronic Obstructive Pulmonary Disease	27	7.4	7.9	*	14.8	13.1	*	14.8	17.7	*
Transient Cerebral Ischemia	24	12.5	2.0	*	12.5	4.6	*	12.5	7.3	*
Stroke	66	19.7	24.4	6.1	27.3	31.4	7.2	28.8	36.1	9.0
Hip Fracture	60	3.3	7.8	5.8	11.7	13.6	6.5	16.7	17.1	5.0
Sepsis	14	7.1	29.1	*	14.3	35.9	*	28.6	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	7.7	*	4.0	12.0	*	4.0	15.6	*
Carotid Endarterectomy	21	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	43	2.3	4.3	*	11.6	7.6	*	14.0	9.8	*
Open Reduction of Hip Fracture	29	0.0	6.6	*	6.9	12.0	*	13.8	15.3	*
Prostatectomy	34	0.0	0.9	*	0.0	2.2	*	0.0	3.8	*
Cholecystectomy	38	2.6	2.2	*	5.3	4.1	*	5.3	5.8	*
Hysterectomy	9	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,078	7.8	9.2	1.2	13.3	14.3	1.1	17.2	18.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	44	27.3	28.7	*	27.3	31.8	*	27.3	35.1	*
Congestive Heart Failure	132	12.1	16.9	5.6	22.7	25.5	5.9	29.5	32.6	6.3
Pneumonia/Influenza	91	19.8	17.6	4.2	24.2	23.9	4.5	29.7	29.0	4.9
Chronic Obstructive Pulmonary Disease	35	5.7	10.4	*	11.4	17.6	*	22.9	23.2	*
Transient Cerebral Ischemia	42	4.8	2.4	*	4.8	5.3	*	9.5	8.3	*
Stroke	77	15.6	20.3	7.4	24.7	26.7	7.1	27.3	31.0	6.8
Hip Fracture	59	8.5	8.7	4.2	25.4	15.1	6.7	32.2	19.1	8.2
Sepsis	17	17.6	28.6	*	35.3	37.1	*	47.1	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	0.0	3.7	*	3.1	7.4	*	3.1	10.9	*
Carotid Endarterectomy	17	0.0	1.3	*	0.0	2.4	*	5.9	3.5	*
Hip Replacement/Reconstruction	39	0.0	4.1	*	15.4	7.5	*	15.4	9.8	*
Open Reduction of Hip Fracture	25	12.0	8.4	*	28.0	15.7	*	36.0	20.3	*
Prostatectomy	45	0.0	0.7	*	0.0	1.6	*	0.0	2.8	*
Cholecystectomy	31	16.1	4.6	*	16.1	8.5	*	16.1	11.6	*
Hysterectomy	12	0.0	0.4	*	0.0	0.9	*	0.0	1.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST THOMAS MEDICAL CENTER

444 North Main Street
Akron, OH 44310

Medicare Provider Number: 360020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,136	8.4	9.8	0.8	14.7	15.3	0.9	18.3	19.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	54	37.0	29.1	11.3	38.9	32.5	10.7	40.7	35.8	8.9
Congestive Heart Failure	121	9.9	15.2	5.2	22.3	23.6	5.1	25.6	30.4	5.9
Pneumonia/Influenza	101	14.9	17.9	4.4	24.8	24.3	4.5	34.7	29.1	5.0
Chronic Obstructive Pulmonary Disease	37	5.4	5.5	*	10.8	10.0	*	21.6	14.2	*
Transient Cerebral Ischemia	33	3.0	1.9	*	6.1	4.2	*	6.1	6.7	*
Stroke	78	16.7	19.8	5.9	26.9	27.8	5.5	29.5	32.6	5.9
Hip Fracture	41	7.3	8.5	*	12.2	15.0	*	12.2	19.0	*
Sepsis	49	14.3	25.3	*	20.4	34.1	*	26.5	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.3	*	11.1	4.9	*	11.1	7.4	*
Carotid Endarterectomy	8	0.0	0.9	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	33	3.0	4.9	*	3.0	8.9	*	3.0	11.5	*
Open Reduction of Hip Fracture	21	9.5	7.9	*	19.0	14.6	*	19.0	19.0	*
Prostatectomy	37	0.0	2.0	*	5.4	5.2	*	5.4	8.7	*
Cholecystectomy	34	8.8	2.4	*	11.8	4.3	*	14.7	5.5	*
Hysterectomy	14	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	404
Occupancy Rate	51
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	179
Percent of Physicians Board Certified Specialists	89
Medical Residents/Interns	47
Registered Nurses	283
Licensed Practical Nurses	59

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST THOMAS MEDICAL CENTER

Medicare Provider Number: 360020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,332	8.3	9.7	0.9	13.6	14.9	1.0	17.7	19.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	36	25.0	29.2	*	25.0	32.4	*	27.8	35.9	*
Congestive Heart Failure	116	11.2	18.0	5.5	21.6	27.0	5.3	31.0	34.1	4.7
Pneumonia/Influenza	125	12.8	19.1	5.4	19.2	25.6	5.6	23.2	30.5	6.2
Chronic Obstructive Pulmonary Disease	45	4.4	9.8	*	11.1	16.2	*	24.4	21.4	*
Transient Cerebral Ischemia	41	2.4	2.1	*	7.3	4.7	*	7.3	7.8	*
Stroke	89	24.7	21.0	5.7	31.5	29.3	6.6	31.5	34.4	8.7
Hip Fracture	48	6.3	6.5	*	8.3	11.7	*	10.4	15.0	*
Sepsis	35	22.9	28.2	*	31.4	38.6	*	37.1	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	2.1	*	6.7	4.0	*	6.7	5.9	*
Carotid Endarterectomy	13	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	29	10.3	3.8	*	10.3	7.6	*	17.2	10.5	*
Open Reduction of Hip Fracture	26	0.0	6.4	*	3.8	11.8	*	3.8	15.2	*
Prostatectomy	52	0.0	0.8	1.5	0.0	2.1	2.7	1.9	3.6	3.1
Cholecystectomy	42	0.0	3.1	*	0.0	5.7	*	0.0	7.3	*
Hysterectomy	20	5.0	1.1	*	5.0	2.4	*	5.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,581	9.1	9.3	0.9	13.9	14.5	0.7	17.6	18.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	61	29.5	30.1	6.0	32.8	34.3	6.3	34.4	38.0	7.0
Congestive Heart Failure	127	20.5	17.9	4.0	26.8	26.9	4.4	36.2	34.1	5.0
Pneumonia/Influenza	101	13.9	17.7	5.1	23.8	24.2	4.7	26.7	28.9	4.7
Chronic Obstructive Pulmonary Disease	44	2.3	10.4	*	4.5	17.1	*	4.5	22.5	*
Transient Cerebral Ischemia	57	0.0	2.1	2.6	1.8	4.5	3.5	3.5	7.1	4.6
Stroke	89	20.2	18.6	4.8	23.6	25.5	5.9	27.0	29.8	6.0
Hip Fracture	44	6.8	8.0	*	15.9	14.2	*	22.7	18.0	*
Sepsis	50	32.0	27.8	*	38.0	37.0	*	44.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	3.1	*	8.7	6.9	*	17.4	10.7	*
Carotid Endarterectomy	9	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	23	4.3	5.2	*	8.7	9.4	*	13.0	12.3	*
Open Reduction of Hip Fracture	16	12.5	6.9	*	25.0	12.9	*	25.0	16.8	*
Prostatectomy	73	0.0	1.0	1.5	0.0	2.3	2.7	1.4	3.9	3.1
Cholecystectomy	48	2.1	2.6	*	4.2	4.4	*	4.2	5.7	*
Hysterectomy	16	0.0	0.8	*	6.3	1.7	*	6.3	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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January 14, 1991

Medicare Provider
Number: 360020



Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra K. Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Albert F. Gilbert, Ph.D.
President and CEO

525 East Market Street
P.O. Box 2090
Akron, Ohio 44309-2090
Phone (216) 375-3000
Fax (216) 375-4068

Dear Mrs. Kappert:

St. Thomas Medical Center is in receipt of the Health Care Financing Administration (HCFA) mortality statistics which are scheduled for release in March, 1991. The comments which follow represent our public response as to the validity and usefulness of these data as a measure of quality of health care.

Assurance of the quality of health care is a responsibility which St. Thomas Medical Center accepts with the greatest of seriousness. The measurement of quality is undertaken in every aspect of our operations, from maintaining the right equipment and personnel to monitoring patient outcome on a regular basis. We, as does the HCFA, believe that the public has a right to information regarding the quality of the hospital serving them. However, we are concerned that the release of raw data on mortality cannot appropriately serve as an evaluation of quality. There are many factors relating to these outcomes and it is impossible to thoroughly communicate this information on each hospital across the country.

Although we are pleased to see improved refinements to HCFA's data, we continue to have concerns regarding the statistics. The methodology still cannot assess whether differences in mortality are due to differences in quality of care or, in fact, are due to differences in condition of the patients being treated. We continue to believe the use of mortality as the sole indicator of quality is not appropriate. Finally, the inclusion of deaths after the patient goes home may make the hospital accountable for circumstances over which we have no control.

In summary, St. Thomas Medical Center believes it's dedication to the measurement and assurance of quality of health care has led to a more precise and meaningful approach than the one currently used by HCFA. We hope to continue to demonstrate the public's confidence in our service has been well placed.

Sincerely,

Albert F. Gilbert

Albert F. Gilbert, Ph.D.
President & CEO

ST VINCENT CHARITY HOSPITAL

2351 E 22nd St
Cleveland, OH 44115

Medicare Provider Number: 360037

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,917	6.9	7.9	0.9	11.0	12.1	1.0	14.1	15.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	40	27.5	32.1	*	32.5	35.3	*	32.5	38.6	*
Congestive Heart Failure	115	8.7	15.4	4.7	18.3	23.5	4.9	26.1	30.3	4.7
Pneumonia/Influenza	51	7.8	13.7	6.8	19.6	18.9	5.7	23.5	23.1	5.9
Chronic Obstructive Pulmonary Disease	39	2.6	9.8	*	10.3	16.0	*	17.9	21.2	*
Transient Cerebral Ischemia	23	0.0	1.9	*	4.3	4.0	*	4.3	6.2	*
Stroke	61	11.5	18.0	8.5	13.1	23.7	9.7	18.0	27.7	10.1
Hip Fracture	21	14.3	8.9	*	23.8	15.6	*	28.6	19.8	*
Sepsis	9	22.2	27.8	*	22.2	36.7	*	22.2	42.5	*
PROCEDURES:										
Angioplasty	38	0.0	1.8	*	0.0	2.8	*	2.6	3.7	*
Coronary Artery Bypass Graft	128	7.0	5.2	3.4	8.6	7.6	2.8	9.4	9.2	3.1
Initial Pacemaker Insertion	34	0.0	2.7	*	0.0	5.4	*	5.9	8.0	*
Carotid Endarterectomy	15	0.0	1.5	*	6.7	2.9	*	6.7	4.2	*
Hip Replacement/Reconstruction	20	10.0	3.5	*	10.0	6.7	*	15.0	9.3	*
Open Reduction of Hip Fracture	10	10.0	9.0	*	30.0	15.8	*	30.0	19.9	*
Prostatectomy	31	3.2	2.5	*	3.2	6.2	*	9.7	10.2	*
Cholecystectomy	27	3.7	2.7	*	3.7	5.0	*	11.1	6.5	*
Hysterectomy	11	0.0	1.4	*	0.0	2.4	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 373
Occupancy Rate 66
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 132
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 0
Registered Nurses 256
Licensed Practical Nurses 51

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... Yes
Rehabilitation Unit ..... No
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

ST VINCENT CHARITY HOSPITAL

Medicare Provider Number: 360037

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,152	8.0	7.7	0.7	11.9	11.9	0.7	15.1	15.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	47	31.9	27.0	*	31.9	30.6	*	34.0	34.3	*
Congestive Heart Failure	88	13.6	15.0	4.9	20.5	23.0	6.5	27.3	29.7	6.8
Pneumonia/Influenza	41	12.2	15.0	*	19.5	20.5	*	19.5	24.8	*
Chronic Obstructive Pulmonary Disease	24	12.5	11.5	*	20.8	18.1	*	25.0	23.7	*
Transient Cerebral Ischemia	26	0.0	2.5	*	0.0	5.5	*	3.8	8.7	*
Stroke	44	25.0	19.2	*	27.3	25.1	*	31.8	29.3	*
Hip Fracture	20	5.0	5.1	*	5.0	9.1	*	10.0	11.7	*
Sepsis	13	30.8	30.1	*	38.5	38.0	*	46.2	44.3	*
PROCEDURES:										
Angioplasty	21	4.8	2.4	*	4.8	3.4	*	4.8	4.3	*
Coronary Artery Bypass Graft	132	7.6	5.8	3.1	9.1	8.5	3.2	9.1	10.2	3.7
Initial Pacemaker Insertion	16	6.3	4.6	*	6.3	7.1	*	12.5	9.5	*
Carotid Endarterectomy	15	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	37	5.4	1.2	*	5.4	2.3	*	8.1	3.2	*
Open Reduction of Hip Fracture	11	0.0	3.6	*	0.0	6.9	*	9.1	9.2	*
Prostatectomy	37	0.0	2.1	*	2.7	4.3	*	5.4	6.7	*
Cholecystectomy	36	2.8	3.0	*	5.6	5.3	*	8.3	7.0	*
Hysterectomy	7	0.0	1.2	*	0.0	2.8	*	14.3	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,325	7.2	7.6	0.6	12.3	11.8	0.7	15.6	15.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	54	25.9	28.1	7.2	37.0	31.7	7.1	42.6	35.4	7.6
Congestive Heart Failure	122	13.1	15.1	3.3	27.9	23.0	4.3	39.3	29.7	5.2
Pneumonia/Influenza	44	18.2	16.0	*	27.3	21.6	*	27.3	26.3	*
Chronic Obstructive Pulmonary Disease	24	12.5	12.6	*	25.0	20.4	*	29.2	26.3	*
Transient Cerebral Ischemia	19	0.0	2.0	*	0.0	4.1	*	0.0	6.5	*
Stroke	56	12.5	20.9	11.8	21.4	27.6	12.8	25.0	32.0	11.7
Hip Fracture	28	7.1	5.8	*	14.3	10.4	*	14.3	13.4	*
Sepsis	19	15.8	24.7	*	15.8	33.0	*	31.6	38.9	*
PROCEDURES:										
Angioplasty	21	4.8	3.1	*	9.5	4.0	*	9.5	5.2	*
Coronary Artery Bypass Graft	113	7.1	5.9	2.8	8.0	7.7	2.7	8.0	8.8	3.2
Initial Pacemaker Insertion	30	0.0	2.0	*	0.0	4.2	*	0.0	6.5	*
Carotid Endarterectomy	17	0.0	2.0	*	0.0	3.9	*	0.0	5.7	*
Hip Replacement/Reconstruction	49	0.0	1.8	*	4.1	3.3	*	4.1	4.3	*
Open Reduction of Hip Fracture	16	6.3	5.0	*	6.3	9.4	*	6.3	12.4	*
Prostatectomy	49	0.0	1.2	*	2.0	3.0	*	4.1	5.1	*
Cholecystectomy	16	6.3	2.4	*	12.5	4.0	*	12.5	5.0	*
Hysterectomy	8	0.0	1.8	*	0.0	3.1	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

333.1

Saint Vincent
Charity
Hospital
& Health Center

2351 East 22nd St.
Cleveland, Ohio 44115
(216) 861-6200

1865

Celebrating 125 Years of Service to Cleveland

1990

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Health Care Financing Administration:

Saint Vincent Charity Hospital and Health Center [SVCH&HC] again welcomes the opportunity to comment on the Medicare Mortality Rate data which you have provided for us to preview.

Saint Vincent Charity Hospital and Health Center has found your previous efforts to be of value because it has complimented our internal quality management program to better meet its' objectives. Continuous quality improvement is a vital objective of all healthcare providers. We are therefore grateful to HCFA for again providing us with data which will be useful for that purpose.

While our institution remains proud of the quality of care we deliver, we continue to caution (as has become well recognized over the past five years) that the Medicare Mortality Rates in themselves are not meaningful as a guide to hospital performance and are of very limited value to consumers. We therefore must discourage consumer's from making health choice decisions based only upon this methodology.

While technology and accuracy have improved with each successive year of publication of this data, the initial intention of this effort "to stimulate consumer awareness and to enhance competition among hospitals" cannot be realized. The initial flaw in this intention is that quality of health care can be determined using a single [death rates] outcome indicator as a measure. Most experts believe that a composite of outcome indicators offer the most reliable and valid approach to measuring quality.

HCFA's method of risk adjusting mortality rates, which uses very few variables, is not accepted by most experts as a valid method of risk adjustment. The sample size [actual number of patients in each category] is so small that the standard deviation cannot be calculated for most diagnosis and procedures.

We would continue to encourage HCFA to provide this data to hospitals. We appreciate the value of Medicare mortality data to assist in the internal quality review process; however, we continue to urge patients and potential patients to avoid the dangerous and unwise practice of drawing health choice conclusions only from this data.

Saint Vincent Charity Hospital and Health Center has a one-hundred and twenty-five year year tradition of providing quality and compassionate health care. We will continue to carry out our our mission in a manner that reflects the philosophy of our founding sponsors, the Sisters of Charity of Saint Augustine.

Sincerely,

Peter G. Reibold
President, and Chief Executive Officer

ST VINCENTS MEDICAL CENTER

2213 Cherry St
Toledo, OH 43608

Medicare Provider Number: 360112

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,104	7.5	7.6	0.8	11.4	11.4	0.8	14.2	14.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	87	29.9	29.4	5.5	33.3	32.4	5.3	34.5	35.8	5.3
Congestive Heart Failure	132	11.4	14.9	3.9	23.5	23.0	4.1	32.6	29.7	4.5
Pneumonia/Influenza	56	14.3	14.7	6.0	21.4	20.2	5.5	23.2	24.5	6.3
Chronic Obstructive Pulmonary Disease	21	19.0	6.7	*	28.6	11.0	*	28.6	14.9	*
Transient Cerebral Ischemia	46	4.3	1.7	*	6.5	3.6	*	8.7	5.5	*
Stroke	81	13.6	19.3	5.6	17.3	25.2	6.5	18.5	29.5	7.8
Hip Fracture	35	17.1	6.5	*	17.1	11.5	*	22.9	14.9	*
Sepsis	23	26.1	26.7	*	30.4	35.1	*	30.4	42.0	*
PROCEDURES:										
Angioplasty	41	2.4	2.6	*	2.4	3.4	*	2.4	4.3	*
Coronary Artery Bypass Graft	99	7.1	4.0	3.7	7.1	6.0	2.5	7.1	7.5	2.9
Initial Pacemaker Insertion	25	4.0	7.1	*	16.0	10.4	*	20.0	13.3	*
Carotid Endarterectomy	48	2.1	1.5	*	4.2	2.7	*	4.2	4.0	*
Hip Replacement/Reconstruction	51	3.9	1.6	2.6	3.9	2.9	3.8	5.9	4.1	4.7
Open Reduction of Hip Fracture	8	12.5	7.0	*	12.5	12.8	*	12.5	16.3	*
Prostatectomy	125	1.6	0.9	1.2	3.2	2.2	2.1	5.6	3.7	2.7
Cholecystectomy	35	8.6	2.9	*	11.4	4.9	*	11.4	6.3	*
Hysterectomy	13	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	569
Occupancy Rate	64
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	181
Percent of Physicians Board Certified Specialists	100
Medical Residents/Interns	33
Registered Nurses	880
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST VINCENTS MEDICAL CENTER

Medicare Provider Number: 360112

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,244	7.2	8.1	0.6	10.9	12.1	0.7	13.3	15.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	89	20.2	28.9	5.8	24.7	31.9	5.7	25.8	35.5	6.3
Congestive Heart Failure	130	15.4	16.6	3.4	23.1	25.2	4.2	30.0	32.2	5.0
Pneumonia/Influenza	61	14.8	16.4	4.9	21.3	22.2	5.7	24.6	26.7	6.2
Chronic Obstructive Pulmonary Disease	25	8.0	10.7	*	16.0	17.8	*	20.0	23.2	*
Transient Cerebral Ischemia	52	0.0	2.0	*	3.8	4.2	*	7.7	6.6	*
Stroke	69	24.6	23.8	5.2	27.5	30.0	5.9	30.4	34.8	7.7
Hip Fracture	45	6.7	7.2	*	11.1	12.3	*	13.3	15.4	*
Sepsis	17	23.5	34.7	*	35.3	43.6	*	47.1	50.0	*
PROCEDURES:										
Angioplasty	28	0.0	2.8	*	0.0	3.4	*	3.6	4.2	*
Coronary Artery Bypass Graft	69	5.8	4.6	2.8	5.8	6.4	3.0	5.8	7.5	3.5
Initial Pacemaker Insertion	25	0.0	5.3	*	4.0	7.7	*	4.0	10.0	*
Carotid Endarterectomy	57	0.0	1.5	2.2	1.8	2.7	3.0	1.8	3.9	3.5
Hip Replacement/Reconstruction	66	3.0	2.8	3.3	3.0	5.3	4.0	3.0	7.2	4.7
Open Reduction of Hip Fracture	15	13.3	5.4	*	20.0	9.6	*	20.0	12.3	*
Prostatectomy	115	0.9	1.2	1.0	1.7	2.9	2.1	1.7	4.8	3.0
Cholecystectomy	37	5.4	4.2	*	8.1	7.3	*	10.8	9.5	*
Hysterectomy	8	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,227	7.2	8.1	0.7	11.6	12.1	0.7	15.1	15.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	73	27.4	32.6	9.0	30.1	35.6	8.7	34.2	39.1	8.4
Congestive Heart Failure	129	14.0	17.4	4.3	24.0	26.0	4.0	36.4	33.0	4.5
Pneumonia/Influenza	63	19.0	19.8	5.4	28.6	26.6	5.8	33.3	31.8	6.2
Chronic Obstructive Pulmonary Disease	32	0.0	7.9	*	6.3	14.0	*	15.6	18.9	*
Transient Cerebral Ischemia	57	1.8	1.8	2.0	3.5	3.7	2.8	5.3	5.7	3.1
Stroke	84	19.0	26.3	7.2	26.2	32.6	6.7	35.7	37.3	5.5
Hip Fracture	44	6.8	6.6	*	11.4	11.7	*	15.9	15.1	*
Sepsis	26	23.1	31.6	*	30.8	39.0	*	34.6	45.4	*
PROCEDURES:										
Angioplasty	17	0.0	1.8	*	5.9	2.4	*	5.9	3.2	*
Coronary Artery Bypass Graft	73	1.4	5.5	3.4	4.1	7.8	4.1	4.1	9.1	4.1
Initial Pacemaker Insertion	30	3.3	3.2	*	6.7	6.3	*	6.7	9.3	*
Carotid Endarterectomy	52	1.9	1.6	4.1	5.8	2.9	4.6	5.8	4.2	5.1
Hip Replacement/Reconstruction	61	6.6	2.6	4.2	8.2	5.0	4.7	8.2	6.6	4.8
Open Reduction of Hip Fracture	14	0.0	5.3	*	0.0	9.5	*	7.1	12.3	*
Prostatectomy	120	0.8	1.1	1.0	0.8	2.6	1.7	0.8	4.3	2.6
Cholecystectomy	40	5.0	5.2	*	10.0	8.4	*	12.5	10.5	*
Hysterectomy	12	0.0	0.7	*	16.7	1.6	*	16.7	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**



St. Vincent Medical Center

COMMENTS: MEDICARE HOSPITAL MORTALITY DATA

St. Vincent Medical Center is pleased to have the opportunity to comment on HCFA's 1989 release of Medicare mortality data.

St. Vincent is a 600+ bed regional referral center located in the city of Toledo, Ohio. Trauma victims and other high acuity patients have access to the Medical Center's advanced technology, seven intensive care units, Life Flight air ambulance and team of highly specialized physicians, nurses and other support staff. As a teaching institution and tertiary care provider, the Medical Center is committed to the continued development of methods to assess and manage the quality of patient care.

Evaluating the mortality data released by HCFA is consistent with St. Vincent's well established quality management program. Each month, as just one component of the Medical Center's overall quality management program, a team of physicians and nurses reviews the cases of all mortalities to assess the appropriateness of clinical management. The hospital-wide comprehensive quality management program is an essential part of providing the best possible patient care at St. Vincent Medical Center.

An analysis of the data released by HCFA did not identify any patterns of higher than expected mortality rates. The analysis was conducted by calculating a confidence range to test the significance of any differences between the observed mortality rates in the random sample and the expected mortality rates at the 95% confidence level. For categories with an adequate number of cases to allow statistical interpretation, St. Vincent Medical Center had mortality rates well within the confidence ranges during the sample periods of 1987 through 1989.

The HCFA mortality data included 10 categories where the number of cases in the sample was not sufficient to establish a range of expected mortality. Therefore, any difference between the observed and expected mortality rates cannot be accurately interpreted. Instead, individual medical records were reviewed.

The analysis revealed that clinical management had been appropriate. For example, higher observed mortality rates of patients with chronic obstructive pulmonary disease were influenced by three of four patients having advanced disease states whereby they had requested that no extraordinary means be taken to prolong their lives. Of those patients undergoing cholecystectomy, the procedures were incidental to other more serious conditions complicated by

multi-system failures. Over half of the patients with hip fractures were nursing home patients with other advanced diseases affecting their outcomes. Even though review of the individual medical records did not identify any clinical management problems, it is important to emphasize that the sample size for those ten categories was too small to allow accurate interpretation.

In addition, the medical records of all coronary artery bypass graft surgeries were individually reviewed. Mortalities in these cases were among non-elective patients with a significantly higher expected mortality and morbidity risk. The mortality rate of all Medicare patients undergoing this procedure was significantly less than the HCFA sample observed rate.

For future analysis and publication of mortality rates, St. Vincent Medical Center offers the following comments:

* Although the statistical techniques used in the current release are well accepted, the report identifies only that hospital mortality rates are different. It does not investigate and report why they are different.

* The mortality rates are useful to hospital clinicians and managers by raising questions or pointing to categories for further evaluation. However, the publication of such data is misleading to the average consumer who may not understand how to statistically interpret the data. Furthermore, differences in patient populations, e.g., medical history, socio-economic status, may not be evident to the untrained reader.

* Presenting mortality data beyond 30 days post admission does not necessarily reflect inappropriate management by hospital providers since such rates are likely influenced by factors beyond the control of the hospital. These longer term statistics should be released and analyzed from a community perspective rather than by individual hospitals.

In conclusion, St. Vincent Medical Center's mortality rates are within the expected range. However, HCFA is encouraged to further expand the scope of any future analysis to encompass all factors influencing hospital mortality rates to avoid inaccurate interpretations and conclusions.

January 14, 1991
Date

Darryl R. Lippman
President

STOUDER MEMORIAL HOSPITAL

920 Summit Avenue
Troy, OH 45373

Medicare Provider Number: 360174

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,300	8.4	7.6	1.0	12.7	11.8	1.2	15.8	15.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	39	25.6	24.1	*	28.2	26.7	*	28.2	29.6	*
Congestive Heart Failure	88	17.0	13.7	4.4	26.1	21.9	6.2	36.4	28.6	8.3
Pneumonia/Influenza	54	11.1	13.7	5.0	14.8	18.8	6.4	14.8	23.0	8.2
Chronic Obstructive Pulmonary Disease	17	11.8	6.6	*	17.6	11.5	*	23.5	15.8	*
Transient Cerebral Ischemia	29	0.0	2.6	*	0.0	5.8	*	0.0	9.2	*
Stroke	40	7.5	15.5	*	12.5	22.0	*	15.0	26.3	*
Hip Fracture	34	2.9	4.6	*	5.9	8.7	*	5.9	11.6	*
Sepsis	29	24.1	27.3	*	27.6	35.6	*	34.5	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	2.5	*	14.3	4.9	*	28.6	7.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	4.8	2.7	*	4.8	5.1	*	4.8	6.9	*
Open Reduction of Hip Fracture	4	0.0	4.1	*	0.0	8.0	*	0.0	10.9	*
Prostatectomy	28	0.0	0.6	*	0.0	1.5	*	0.0	2.6	*
Cholecystectomy	22	0.0	1.9	*	4.5	3.5	*	4.5	4.6	*
Hysterectomy	10	10.0	0.4	*	10.0	1.0	*	10.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 138
Occupancy Rate 61
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 84
Percent of Physicians Board Certified Specialists 61
Medical Residents/Interns 0
Registered Nurses 169
Licensed Practical Nurses 29

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

STOUDER MEMORIAL HOSPITAL

Medicare Provider Number: 360174

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,280	12.3	8.8	1.3	17.0	13.6	1.3	20.0	17.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	49	28.6	25.1	*	30.6	28.5	*	30.6	31.9	*
Congestive Heart Failure	90	26.7	16.3	5.8	34.4	25.1	5.9	42.2	32.3	6.3
Pneumonia/Influenza	54	33.3	17.1	8.4	38.9	23.2	8.8	40.7	28.0	8.8
Chronic Obstructive Pulmonary Disease	15	13.3	5.5	*	33.3	11.3	*	40.0	16.7	*
Transient Cerebral Ischemia	28	3.6	2.0	*	3.6	4.3	*	10.7	6.8	*
Stroke	46	15.2	21.6	*	21.7	27.5	*	23.9	31.8	*
Hip Fracture	37	5.4	7.3	*	18.9	13.3	*	21.6	17.1	*
Sepsis	13	38.5	27.0	*	46.2	34.4	*	46.2	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	4.5	*	0.0	9.8	*	0.0	14.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	6.3	3.6	*	12.5	6.7	*	12.5	8.5	*
Open Reduction of Hip Fracture	19	5.3	6.7	*	15.8	12.7	*	15.8	16.6	*
Prostatectomy	24	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	18	5.6	1.7	*	5.6	3.1	*	5.6	4.3	*
Hysterectomy	8	0.0	0.3	*	0.0	0.5	*	25.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,078	9.1	8.7	1.0	14.5	13.2	1.3	18.2	16.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	41	24.4	28.1	*	29.3	31.2	*	31.7	34.4	*
Congestive Heart Failure	61	24.6	18.6	11.0	34.4	27.9	12.3	37.7	34.9	10.0
Pneumonia/Influenza	59	10.2	17.9	7.5	13.6	24.6	8.4	25.4	29.8	6.7
Chronic Obstructive Pulmonary Disease	17	17.6	6.8	*	17.6	11.6	*	35.3	15.7	*
Transient Cerebral Ischemia	30	3.3	1.9	*	6.7	4.0	*	6.7	6.2	*
Stroke	36	30.6	21.7	*	38.9	28.5	*	44.4	32.8	*
Hip Fracture	21	14.3	6.9	*	14.3	12.5	*	23.8	16.2	*
Sepsis	12	41.7	34.3	*	41.7	43.0	*	50.0	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.1	*	0.0	4.6	*	0.0	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	5.4	*	25.0	11.4	*	25.0	16.4	*
Open Reduction of Hip Fracture	14	14.3	7.1	*	14.3	13.5	*	28.6	17.8	*
Prostatectomy	13	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*
Cholecystectomy	19	0.0	3.1	*	0.0	5.1	*	0.0	6.1	*
Hysterectomy	10	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SYCAMORE MEDICAL CENTER

2150 Leiter Rd
Miamisburg, OH 45342

Medicare Provider Number: 360239

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,168	8.3	8.5	0.9	13.7	12.9	1.2	17.0	16.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	34	20.6	27.6	*	32.4	30.8	*	35.3	34.2	*
Congestive Heart Failure	76	19.7	14.5	5.7	31.6	22.4	8.1	39.5	29.0	10.4
Pneumonia/Influenza	53	15.1	18.5	11.1	24.5	25.1	10.8	28.3	29.9	6.4
Chronic Obstructive Pulmonary Disease	24	0.0	6.9	*	4.2	12.4	*	12.5	17.4	*
Transient Cerebral Ischemia	30	3.3	1.9	*	3.3	4.0	*	6.7	6.4	*
Stroke	43	9.3	17.3	*	14.0	24.7	*	25.6	29.2	*
Hip Fracture	30	0.0	6.6	*	6.7	11.6	*	6.7	15.0	*
Sepsis	17	29.4	26.0	*	29.4	33.7	*	35.3	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	2.9	*	10.0	5.6	*	10.0	8.2	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	13	0.0	4.3	*	7.7	7.8	*	7.7	10.3	*
Open Reduction of Hip Fracture	7	0.0	7.1	*	0.0	12.5	*	0.0	16.0	*
Prostatectomy	42	0.0	1.0	*	2.4	2.4	*	2.4	4.2	*
Cholecystectomy	25	0.0	2.2	*	8.0	4.0	*	8.0	5.3	*
Hysterectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 120
Ownership/Control ..... Church

STAFFING:

Medical Residents/Interns 0
Registered Nurses 0
Licensed Practical Nurses 0

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SYCAMORE MEDICAL CENTER

Medicare Provider Number: 360239

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,105	9.5	9.2	1.1	13.4	13.9	1.3	16.6	17.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	35	14.3	24.1	*	25.7	27.1	*	25.7	30.2	*
Congestive Heart Failure	72	11.1	15.3	5.9	15.3	23.5	8.0	22.2	30.2	8.4
Pneumonia/Influenza	53	18.9	15.1	6.4	26.4	20.4	7.7	32.1	24.5	10.6
Chronic Obstructive Pulmonary Disease	11	0.0	8.5	*	0.0	14.9	*	0.0	20.2	*
Transient Cerebral Ischemia	25	4.0	2.1	*	4.0	4.6	*	4.0	7.3	*
Stroke	42	16.7	19.4	*	21.4	28.0	*	23.8	33.2	*
Hip Fracture	34	2.9	6.5	*	8.8	11.6	*	14.7	14.7	*
Sepsis	19	42.1	32.4	*	42.1	42.0	*	42.1	48.3	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.1	*	0.0	7.6	*	0.0	11.2	*
Carotid Endarterectomy	3	0.0	2.0	*	0.0	4.2	*	0.0	6.0	*
Hip Replacement/Reconstruction	9	0.0	6.8	*	0.0	12.4	*	0.0	15.8	*
Open Reduction of Hip Fracture	13	0.0	5.4	*	15.4	10.2	*	23.1	13.3	*
Prostatectomy	37	5.4	0.7	*	5.4	1.7	*	8.1	2.8	*
Cholecystectomy	23	0.0	3.5	*	4.3	6.1	*	8.7	7.7	*
Hysterectomy	6	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,019	7.1	8.3	1.2	12.8	12.8	1.1	15.2	16.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	31	25.8	25.5	*	35.5	28.7	*	38.7	31.8	*
Congestive Heart Failure	69	8.7	15.3	5.5	15.9	23.4	6.7	18.8	30.1	8.2
Pneumonia/Influenza	53	17.0	15.2	5.1	20.8	21.0	5.6	22.6	25.6	6.7
Chronic Obstructive Pulmonary Disease	30	10.0	9.6	*	16.7	15.2	*	23.3	19.8	*
Transient Cerebral Ischemia	22	0.0	2.1	*	0.0	4.6	*	0.0	7.2	*
Stroke	33	6.1	19.0	*	6.1	25.6	*	9.1	29.9	*
Hip Fracture	36	2.8	5.7	*	5.6	10.7	*	13.9	14.0	*
Sepsis	12	33.3	23.8	*	41.7	32.9	*	41.7	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	1.9	*	0.0	4.1	*	0.0	6.4	*
Carotid Endarterectomy	6	0.0	2.2	*	0.0	4.4	*	0.0	6.5	*
Hip Replacement/Reconstruction	6	0.0	7.1	*	0.0	13.4	*	0.0	17.4	*
Open Reduction of Hip Fracture	14	0.0	5.4	*	7.1	10.4	*	7.1	13.9	*
Prostatectomy	47	2.1	0.9	*	4.3	2.2	*	6.4	3.7	*
Cholecystectomy	31	0.0	2.5	*	6.5	4.5	*	6.5	5.9	*
Hysterectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

TIMKEN MERCY MEDICAL CENTER

1320 Timken Mercy Dr NW
Canton, OH 44708

Medicare Provider Number: 360070

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,872	9.2	8.7	0.6	14.4	13.4	0.8	17.7	17.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	106	21.7	22.6	4.2	26.4	25.3	4.3	29.2	28.2	4.8
Congestive Heart Failure	163	16.6	16.0	2.9	28.2	24.5	4.0	33.1	31.4	3.9
Pneumonia/Influenza	118	20.3	17.3	6.2	29.7	23.5	8.2	32.2	28.3	7.2
Chronic Obstructive Pulmonary Disease	59	10.2	9.7	3.9	20.3	15.9	6.0	25.4	21.0	8.0
Transient Cerebral Ischemia	35	0.0	1.9	*	2.9	4.1	*	5.7	6.4	*
Stroke	118	16.9	20.5	4.7	27.1	27.0	4.5	28.8	31.5	5.5
Hip Fracture	75	5.3	6.5	3.3	9.3	11.8	4.8	10.7	15.3	6.6
Sepsis	21	42.9	26.9	*	57.1	36.0	*	57.1	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.2	*	0.0	4.7	*	0.0	7.1	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	53	1.9	2.8	2.3	7.5	5.3	3.4	11.3	7.2	5.8
Open Reduction of Hip Fracture	38	2.6	5.8	*	5.3	10.9	*	5.3	14.3	*
Prostatectomy	79	2.5	1.1	2.2	3.8	2.6	3.9	6.3	4.3	4.5
Cholecystectomy	67	1.5	3.1	3.3	3.0	5.3	6.8	9.0	6.9	5.8
Hysterectomy	26	3.8	0.9	*	7.7	1.8	*	7.7	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 346
Occupancy Rate 76
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 211
Percent of Physicians Board Certified Specialists 79
Medical Residents/Interns 0
Registered Nurses 321
Licensed Practical Nurses 100

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

TIMKEN MERCY MEDICAL CENTER

Medicare Provider Number: 360070

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,901	8.7	9.2	0.7	14.0	13.9	0.8	17.4	17.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	82	26.8	27.6	5.5	30.5	31.2	5.4	34.1	34.6	5.7
Congestive Heart Failure	163	18.4	16.8	3.4	28.2	25.2	4.7	33.7	32.1	3.9
Pneumonia/Influenza	129	17.8	18.0	3.8	24.0	23.8	4.1	30.2	28.4	4.3
Chronic Obstructive Pulmonary Disease	50	16.0	10.4	*	18.0	17.0	*	22.0	22.5	*
Transient Cerebral Ischemia	45	4.4	2.3	*	4.4	5.0	*	4.4	7.7	*
Stroke	87	14.9	22.0	7.2	20.7	28.7	7.9	24.1	33.3	9.0
Hip Fracture	60	8.3	8.3	7.0	21.7	14.7	9.9	26.7	18.5	11.0
Sepsis	23	34.8	26.4	*	47.8	33.1	*	52.2	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	5.1	*	4.8	9.0	*	9.5	12.2	*
Carotid Endarterectomy	23	8.7	1.4	*	8.7	2.6	*	8.7	3.8	*
Hip Replacement/Reconstruction	52	1.9	3.5	3.2	7.7	6.5	4.1	11.5	8.5	5.9
Open Reduction of Hip Fracture	24	0.0	8.0	*	20.8	15.0	*	25.0	19.5	*
Prostatectomy	73	1.4	1.7	1.6	2.7	4.0	2.5	4.1	6.5	3.4
Cholecystectomy	48	2.1	3.2	*	6.3	5.7	*	6.3	7.4	*
Hysterectomy	17	0.0	1.1	*	0.0	2.2	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,134	8.8	9.3	0.7	13.8	14.1	0.7	17.3	17.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	94	41.5	28.3	7.1	42.6	31.6	6.9	43.6	34.9	6.3
Congestive Heart Failure	178	19.7	16.1	3.8	28.1	23.9	4.0	34.8	30.6	4.4
Pneumonia/Influenza	146	18.5	18.9	3.6	22.6	25.0	3.7	25.3	30.0	4.4
Chronic Obstructive Pulmonary Disease	78	6.4	12.6	5.6	11.5	20.3	6.6	19.2	26.0	6.1
Transient Cerebral Ischemia	45	2.2	2.3	*	2.2	4.7	*	4.4	7.1	*
Stroke	113	18.6	23.4	7.2	24.8	30.5	9.2	28.3	35.2	10.5
Hip Fracture	68	8.8	8.6	3.5	11.8	14.9	5.8	14.7	18.8	6.3
Sepsis	19	26.3	33.6	*	47.4	43.0	*	57.9	50.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	5.0	6.3	*	15.0	10.3	*	15.0	13.3	*
Carotid Endarterectomy	33	0.0	1.9	*	0.0	3.5	*	0.0	5.0	*
Hip Replacement/Reconstruction	52	0.0	3.5	3.6	1.9	6.5	5.2	3.8	8.4	5.7
Open Reduction of Hip Fracture	28	3.6	6.4	*	7.1	11.8	*	7.1	15.3	*
Prostatectomy	65	0.0	1.4	1.9	1.5	3.3	2.7	3.1	5.3	3.4
Cholecystectomy	75	0.0	2.0	2.5	0.0	3.3	3.8	1.3	4.3	3.6
Hysterectomy	26	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEDICARE PROVIDER NUMBER 360070

TMMC
Timken Mercy Medical Center
1320 Timken Mercy Drive N.W. • Canton, Ohio 44708 • 216-489-1000

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: MEDICARE HOSPITAL MORTALITY INFORMATION COMMENTS

At Timken Mercy Medical Center, the 1989 Medicare Mortality Rates for all causes, eight conditions, and nine procedures were reviewed in accord with recognized and approved Quality Assurance and Peer Review protocols and procedures.

Except for one condition and one procedure, Timken Mercy Medical Center is below the predicted mortality rates or well within the published standard deviations in each category. The exceptions appear to be sepsis and hysterectomy. In both cases, the small case number does not, as reported by you, permit satisfactory estimation of a standard deviation to assist us in determining the extent to which the differences between the observed and predicted mortality rates are meaningful.

To fulfill our commitment to quality care, the medical records of all patient deaths in these categories were reviewed. All patients were found to have serious, multiple, medical problems suggestive of an extremely poor prognosis. The diagnosis, management and treatment in all these cases was found to be appropriate and consistent with established standards of practice and care.

We appreciate the detailed information provided to us by the Health Care Financing Administration, Health Standards and Quality Bureau. This information serves to facilitate and support our mutual objective of continuously working to provide quality care for all patients.

TIMMC
Timken Mercy Medical Center
1320 Timken Mercy Drive N.W. • Canton, Ohio 44708 • 216-489-1000

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: MEDICARE HOSPITAL MORTALITY INFORMATION COMMENTS
ADMINISTRATIVE CHANGES REQUESTED*
HOSPITAL CHARACTERISTICS

TOTAL BEDS (#)	456*
OCCUPANCY RATE (%)	76
OWNERSHIP/CONTROL	CHURCH

STAFFING (AS OF SEPTEMBER 30, 1989):

TOTAL NUMBER OF PHYSICIANS	226*
PERCENT OF PHYSICIANS WHO ARE BOARD CERTIFIED SPECIALISTS	80*
MEDICAL RESIDENTS/INTERNS	15*
REGISTERED NURSES	456
LICENSED PRACTICAL NURSES	145

SPECIALTY SERVICES:

BURN UNIT	NO
CARDIAC INTENSIVE CARE	YES
COMPREHENSIVE GERIATRIC	NO
HOSPICE CARE	NO
MEDICAL/SURGICAL INTENSIVE CARE	YES
ORGAN/TISSUE TRANSPLANT	NO
OTHER INTENSIVE CARE	NEONATAL*
REHABILITATION UNIT	YES
TRAUMA	YES

TOLEDO HOSPITAL

2142 North Cove Boulevard
Toledo, OH 43606

Medicare Provider Number: 360068

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,820	7.4	7.9	0.6	12.0	12.3	0.7	15.3	15.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	130	26.2	25.4	4.5	30.0	28.6	4.1	31.5	31.9	4.1
Congestive Heart Failure	196	15.8	15.1	3.1	23.0	23.4	3.4	32.1	30.2	4.1
Pneumonia/Influenza	150	12.0	16.4	5.2	19.3	22.1	4.3	22.7	26.7	5.6
Chronic Obstructive Pulmonary Disease	73	12.3	9.0	4.4	16.4	15.6	4.6	21.9	21.1	5.1
Transient Cerebral Ischemia	94	2.1	1.8	1.5	4.3	3.9	2.6	4.3	6.1	2.9
Stroke	171	16.4	19.3	5.2	23.4	26.0	4.3	28.1	30.3	4.2
Hip Fracture	94	7.4	7.0	4.2	14.9	12.5	4.4	18.1	16.3	5.1
Sepsis	59	32.2	29.2	7.9	39.0	38.2	7.8	45.8	44.9	6.5
PROCEDURES:										
Angioplasty	28	3.6	3.7	*	3.6	4.7	*	3.6	5.8	*
Coronary Artery Bypass Graft	95	5.3	4.7	3.1	7.4	6.6	2.9	8.4	7.7	2.8
Initial Pacemaker Insertion	42	0.0	3.6	*	4.8	7.0	*	7.1	10.2	*
Carotid Endarterectomy	43	2.3	1.6	*	2.3	3.1	*	2.3	4.5	*
Hip Replacement/Reconstruction	104	2.9	2.5	1.6	4.8	4.9	2.1	6.7	6.7	2.5
Open Reduction of Hip Fracture	31	9.7	6.7	*	16.1	12.1	*	19.4	15.6	*
Prostatectomy	160	1.2	0.7	0.7	2.5	1.8	1.4	5.0	3.1	2.2
Cholecystectomy	61	1.6	2.8	2.3	4.9	4.8	2.8	6.6	6.1	3.7
Hysterectomy	57	1.8	0.5	1.4	1.8	1.1	1.6	1.8	1.7	2.0

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	701
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	460
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	18
Registered Nurses	915
Licensed Practical Nurses	196

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

TOLEDO HOSPITAL

Medicare Provider Number: 360068

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,852	7.7	8.3	0.6	12.5	12.7	0.7	16.0	16.2	0.6
CONDITIONS:										
Acute Myocardial Infarction	145	26.2	29.2	4.6	32.4	32.6	4.8	37.2	36.2	4.0
Congestive Heart Failure	205	16.6	16.0	3.1	25.4	24.3	3.2	31.7	31.0	3.3
Pneumonia/Influenza	100	18.0	17.5	3.8	22.0	23.7	4.6	25.0	28.6	6.8
Chronic Obstructive Pulmonary Disease	60	11.7	9.6	4.2	18.3	16.6	5.5	28.3	22.3	9.6
Transient Cerebral Ischemia	108	0.0	1.9	2.9	1.9	4.0	4.7	9.3	6.2	3.2
Stroke	180	18.3	22.8	4.5	22.2	29.9	6.0	27.8	34.6	5.9
Hip Fracture	104	4.8	6.7	2.9	11.5	12.2	3.3	15.4	15.6	3.6
Sepsis	41	24.4	27.4	*	31.7	35.4	*	36.6	41.6	*
PROCEDURES:										
Angioplasty	28	0.0	3.2	*	3.6	4.3	*	3.6	5.4	*
Coronary Artery Bypass Graft	80	3.7	4.3	2.6	6.3	5.8	2.6	7.5	6.9	2.9
Initial Pacemaker Insertion	40	2.5	5.2	*	12.5	8.8	*	17.5	11.9	*
Carotid Endarterectomy	45	0.0	1.8	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	109	1.8	2.2	1.4	4.6	4.2	2.1	7.3	5.6	3.5
Open Reduction of Hip Fracture	37	5.4	5.9	*	13.5	11.0	*	18.9	14.3	*
Prostatectomy	144	1.4	0.8	1.0	3.5	2.0	2.1	4.9	3.5	3.5
Cholecystectomy	64	0.0	2.6	3.2	0.0	4.8	5.4	3.1	6.3	4.2
Hysterectomy	55	3.6	1.6	2.1	3.6	2.8	3.0	5.5	3.7	2.9

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,801	8.0	8.1	0.5	12.4	12.5	0.6	15.8	15.9	0.5
CONDITIONS:										
Acute Myocardial Infarction	128	36.7	30.7	5.7	44.5	34.7	7.5	46.9	38.2	7.3
Congestive Heart Failure	199	16.1	16.5	3.2	24.1	24.9	4.0	30.7	31.8	5.3
Pneumonia/Influenza	118	15.3	17.4	4.1	20.3	23.3	5.0	26.3	28.0	4.4
Chronic Obstructive Pulmonary Disease	68	11.8	11.9	4.1	19.1	19.0	5.5	22.1	24.5	7.7
Transient Cerebral Ischemia	111	0.9	2.0	1.5	0.9	4.1	2.9	2.7	6.3	4.1
Stroke	161	20.5	22.1	3.7	29.2	29.4	3.8	32.9	33.9	4.0
Hip Fracture	77	3.9	7.0	3.6	7.8	12.7	5.5	9.1	16.5	6.7
Sepsis	43	23.3	33.7	*	30.2	42.5	*	41.9	49.3	*
PROCEDURES:										
Angioplasty	8	0.0	6.2	*	0.0	7.2	*	0.0	8.5	*
Coronary Artery Bypass Graft	75	5.3	4.6	2.9	12.0	6.2	4.1	12.0	7.2	4.3
Initial Pacemaker Insertion	58	3.4	2.9	2.7	3.4	5.9	3.7	10.3	8.6	4.2
Carotid Endarterectomy	62	1.6	1.8	1.7	1.6	3.5	3.1	3.2	5.1	4.0
Hip Replacement/Reconstruction	86	0.0	2.2	*	1.2	4.2	*	1.2	5.6	*
Open Reduction of Hip Fracture	23	8.7	7.4	*	13.0	14.2	*	17.4	18.7	*
Prostatectomy	133	0.0	0.9	1.0	0.0	2.1	2.0	0.8	3.6	2.5
Cholecystectomy	62	3.2	2.7	2.1	3.2	4.8	3.0	6.5	6.3	3.2
Hysterectomy	48	0.0	0.5	*	0.0	1.0	*	2.1	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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The Toledo Hospital

January 10, 1991 Medicare Provider #360068

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The Medicare mortality information provided by the Health Care Financing Administration for 1989 has been received and reviewed. We are pleased to note that The Toledo Hospital falls within the 75th percentile in all areas in 1987, 1988, and 1989.

The analysis of the Medicare mortality data by HCFA is an interesting exercise, but one cannot make significant decisions about a particular hospital using this data. The question that follows then is, why publish the data at all? Certainly the costs are significant, especially when balanced against the utility of the information. In this era of escalating health care costs and intense cost containment efforts, it appears the resources could be more appropriately expended on projects offering stronger benefits.

We expect to examine a random sample of the mortalities in our data base for confirmation, quality evaluation, and follow up action as indicated.

Sincerely,

Bryan A. Rogers
President

cc: John B. Gibbs, M.D.
John J. Newton, M.D.
Jane Summerville

ja/hcfa.ltr

2142 North Cove Boulevard
Toledo, Ohio 43606

VHA® Member Voluntary Hospitals of America Inc.®
Affiliate ProMedica Health Systems Inc

TRUMBULL MEMORIAL HOSPITAL

1350 East Market Street
Warren, OH 44482

Medicare Provider Number: 360055

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,076	6.6	8.8	0.5	10.8	13.3	0.7	13.8	17.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	84	17.9	26.6	6.1	19.0	29.7	6.7	20.2	33.0	7.3
Congestive Heart Failure	182	14.8	15.8	3.2	25.8	24.5	3.4	33.5	31.6	3.8
Pneumonia/Influenza	122	14.8	19.4	4.6	17.2	26.0	5.8	20.5	31.2	6.8
Chronic Obstructive Pulmonary Disease	79	7.6	9.7	4.2	13.9	16.3	4.8	20.3	21.9	5.9
Transient Cerebral Ischemia	81	1.2	2.0	2.7	4.9	4.4	2.9	4.9	7.0	4.6
Stroke	78	11.5	23.5	6.6	16.7	29.6	7.1	20.5	34.2	7.8
Hip Fracture	62	4.8	8.3	5.0	11.3	14.9	7.2	11.3	19.3	8.7
Sepsis	22	18.2	33.8	*	27.3	40.9	*	31.8	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	10.0	*	8.0	16.3	*	12.0	21.2	*
Carotid Endarterectomy	20	0.0	1.6	*	0.0	2.9	*	5.0	4.3	*
Hip Replacement/Reconstruction	42	0.0	3.0	*	0.0	5.6	*	0.0	7.6	*
Open Reduction of Hip Fracture	36	5.6	8.0	*	16.7	15.0	*	16.7	19.8	*
Prostatectomy	145	1.4	1.0	1.5	3.4	2.3	2.1	6.9	3.8	2.0
Cholecystectomy	37	0.0	1.7	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	18	0.0	1.8	*	0.0	3.8	*	0.0	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 468
Occupancy Rate 58
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 147
Percent of Physicians Board Certified Specialists 67
Medical Residents/Interns 0
Registered Nurses 457
Licensed Practical Nurses 125

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

TRUMBULL MEMORIAL HOSPITAL

Medicare Provider Number: 360055

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,062	7.4	8.8	0.8	11.0	13.3	0.8	14.1	16.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	101	24.8	32.2	5.7	28.7	36.0	5.3	31.7	40.0	5.8
Congestive Heart Failure	168	16.1	16.7	3.7	24.4	25.4	3.5	31.0	32.4	4.2
Pneumonia/Influenza	117	16.2	19.7	6.1	22.2	26.4	5.2	26.5	31.3	5.5
Chronic Obstructive Pulmonary Disease	78	5.1	9.9	5.1	10.3	16.2	6.2	10.3	21.6	8.5
Transient Cerebral Ischemia	77	2.6	2.1	1.9	5.2	4.6	2.4	7.8	7.2	3.0
Stroke	79	19.0	22.2	7.1	24.1	28.2	8.1	27.8	32.8	9.7
Hip Fracture	58	0.0	6.5	5.0	5.2	12.0	5.7	6.9	15.7	7.2
Sepsis	17	35.3	37.4	*	35.3	46.0	*	41.2	52.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	3.1	*	4.5	5.9	*	4.5	8.7	*
Carotid Endarterectomy	14	7.1	1.1	*	7.1	1.9	*	21.4	2.7	*
Hip Replacement/Reconstruction	43	0.0	3.6	*	7.0	7.2	*	9.3	9.8	*
Open Reduction of Hip Fracture	29	0.0	6.5	*	3.4	12.3	*	6.9	16.3	*
Prostatectomy	152	1.3	0.7	0.8	2.0	1.8	1.1	2.6	3.2	1.6
Cholecystectomy	56	5.4	3.9	5.3	10.7	6.8	6.3	12.5	8.7	7.2
Hysterectomy	12	0.0	0.4	*	0.0	1.0	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,959	8.0	9.8	0.6	12.0	14.5	0.7	15.1	18.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	113	20.4	29.2	6.0	27.4	32.5	6.0	31.9	36.0	4.9
Congestive Heart Failure	154	13.0	18.8	6.5	22.7	27.7	7.5	29.9	34.9	7.3
Pneumonia/Influenza	127	18.1	20.0	4.3	25.2	26.8	4.2	29.1	32.0	5.2
Chronic Obstructive Pulmonary Disease	71	9.9	13.0	5.7	15.5	20.5	7.1	16.9	25.9	8.4
Transient Cerebral Ischemia	68	1.5	1.9	1.7	5.9	4.0	2.8	7.4	6.3	3.1
Stroke	88	27.3	22.0	6.3	33.0	28.1	8.0	35.2	32.6	6.3
Hip Fracture	46	4.3	7.0	*	6.5	12.6	*	8.7	16.3	*
Sepsis	23	21.7	31.2	*	30.4	39.5	*	43.5	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	11.5	5.3	*	15.4	9.0	*	15.4	12.2	*
Carotid Endarterectomy	20	0.0	1.6	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	41	4.9	3.5	*	4.9	6.5	*	4.9	8.6	*
Open Reduction of Hip Fracture	15	0.0	6.8	*	6.7	12.6	*	13.3	16.5	*
Prostatectomy	123	3.3	1.0	2.1	3.3	2.5	1.8	4.9	4.2	2.2
Cholecystectomy	53	3.8	3.2	3.3	3.8	5.6	3.9	5.7	7.4	4.8
Hysterectomy	23	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

TWIN CITY HOSPITAL

N First and Fuhr St
Dennison, OH 44621

Medicare Provider Number: 360057

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	362	16.6	12.2	2.5	21.5	16.9	3.0	26.5	20.8	3.1
CONDITIONS:										
Acute Myocardial Infarction	29	37.9	30.4	*	41.4	33.6	*	44.8	37.2	*
Congestive Heart Failure	31	29.0	16.0	*	32.3	24.3	*	38.7	31.2	*
Pneumonia/Influenza	18	33.3	14.8	*	38.9	20.1	*	44.4	24.5	*
Chronic Obstructive Pulmonary Disease	8	0.0	5.5	*	0.0	10.2	*	0.0	14.5	*
Transient Cerebral Ischemia	8	0.0	2.1	*	0.0	4.7	*	12.5	7.5	*
Stroke	25	32.0	20.7	*	40.0	26.9	*	40.0	31.5	*
Hip Fracture	6	0.0	5.0	*	0.0	9.8	*	0.0	13.4	*
Sepsis	4	0.0	23.4	*	0.0	27.4	*	0.0	32.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	5.3	*	0.0	11.0	*	0.0	15.1	*
Open Reduction of Hip Fracture	2	0.0	4.3	*	0.0	9.0	*	0.0	12.6	*
Prostatectomy	1	0.0	0.7	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	5	20.0	1.2	*	20.0	2.0	*	20.0	2.6	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 53
Occupancy Rate 28
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 13
Percent of Physicians Board Certified Specialists 54
Medical Residents/Interns 0
Registered Nurses 27
Licensed Practical Nurses 9

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

TWIN CITY HOSPITAL

Medicare Provider Number: 360057

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	332	15.7	11.7	2.1	19.6	16.4	2.2	22.6	20.1	2.5
CONDITIONS:										
Acute Myocardial Infarction	22	31.8	28.3	*	36.4	31.1	*	40.9	34.5	*
Congestive Heart Failure	29	27.6	17.5	*	37.9	26.7	*	41.4	34.3	*
Pneumonia/Influenza	10	0.0	14.0	*	10.0	18.3	*	10.0	22.1	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.5	*	0.0	8.5	*	0.0	12.0	*
Transient Cerebral Ischemia	19	0.0	2.2	*	5.3	4.9	*	5.3	7.7	*
Stroke	17	29.4	20.0	*	41.2	26.9	*	47.1	31.8	*
Hip Fracture	3	0.0	10.4	*	0.0	18.0	*	0.0	22.3	*
Sepsis	4	50.0	39.7	*	50.0	46.3	*	75.0	52.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	9.4	*	0.0	16.2	*	0.0	19.9	*
Prostatectomy	5	0.0	1.0	*	0.0	2.6	*	0.0	4.5	*
Cholecystectomy	2	0.0	0.9	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy	1	0.0	0.5	*	0.0	1.0	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	358	15.1	11.4	2.5	20.9	16.1	2.9	24.6	19.9	3.2
CONDITIONS:										
Acute Myocardial Infarction	24	45.8	36.1	*	50.0	40.1	*	50.0	43.7	*
Congestive Heart Failure	37	21.6	14.8	*	27.0	22.2	*	37.8	28.6	*
Pneumonia/Influenza	27	29.6	18.1	*	33.3	23.6	*	37.0	28.2	*
Chronic Obstructive Pulmonary Disease	3	0.0	7.9	*	0.0	14.6	*	0.0	20.1	*
Transient Cerebral Ischemia	5	20.0	1.9	*	20.0	4.2	*	20.0	6.7	*
Stroke	17	29.4	22.0	*	41.2	28.1	*	41.2	32.1	*
Hip Fracture	6	16.7	7.7	*	50.0	14.1	*	50.0	18.6	*
Sepsis	5	20.0	30.7	*	20.0	38.7	*	20.0	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.2	*	0.0	10.1	*	0.0	13.5	*
Open Reduction of Hip Fracture	0									
Prostatectomy	9	0.0	0.6	*	0.0	1.6	*	0.0	2.9	*
Cholecystectomy	4	0.0	0.6	*	0.0	1.0	*	0.0	1.4	*
Hysterectomy	1	0.0	1.3	*	0.0	2.3	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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TWIN CITY HOSPITAL
E. A. Roberto, CEO
First and Fuhr Streets, Dennison, Ohio 44621
614/922-2800

January 8, 1991

Healthcare Financing Adminsistration
Health Standards and Quality Bureau
Attention: Mrs. Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

In response to your data submitted, our comments are as follows:

1. HCFA declares that the "precision and interpretability of their estimates are questionable when there are 50 or fewer cases"which seems to parallel Twin City Hospital's characteristics for data submitted. Therefore one must conclude that quality of care cannot be estimated based upon the few amount of cases (No standard deviation could be calculated for all therefore no comparison to measure uncertainty of individuial rates).

2. After 180 days, it should be noted that standard deviation rises along with this are factors such as patient noncompliance, comorbidities, etc.

3. As in the past we have indicated that our patient population is made up largely of retired - Medicare age people in an Appalachia area. Mortality Review is an ongoing process, not only for this age group, but for all age groups at this facility. Opportunity is welcomed to improve patient care outcome. This is just another way of helping us to do just that.

Sincerely yours,

Cheryl Hicks

Cheryl Hicks, RRA, CPQA
Medical Records, Quality Assurance

CC: Mr. E.A. Roberto, CEO
File

UNION HOSPITAL

659 Boulevard
Dover, OH 44622

Medicare Provider Number: 360010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,240	9.1	9.0	0.9	13.3	13.4	1.0	15.9	17.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	46	32.6	29.7	*	32.6	33.6	*	34.8	37.3	*
Congestive Heart Failure	84	15.5	14.5	4.1	22.6	22.1	5.1	26.2	28.6	6.6
Pneumonia/Influenza	74	18.9	17.3	6.1	27.0	23.4	9.2	31.1	28.3	9.0
Chronic Obstructive Pulmonary Disease	19	0.0	9.5	*	10.5	14.8	*	10.5	19.8	*
Transient Cerebral Ischemia	18	0.0	1.9	*	0.0	4.1	*	0.0	6.5	*
Stroke	38	18.4	19.3	*	21.1	25.2	*	23.7	29.4	*
Hip Fracture	45	4.4	6.5	*	6.7	11.9	*	8.9	15.5	*
Sepsis	8	25.0	24.2	*	25.0	31.3	*	25.0	36.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.8	*	0.0	5.4	*	0.0	8.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	3.7	*	0.0	7.0	*	5.3	9.3	*
Open Reduction of Hip Fracture	22	9.1	5.9	*	9.1	11.3	*	9.1	15.0	*
Prostatectomy	32	0.0	1.1	*	0.0	2.7	*	0.0	4.6	*
Cholecystectomy	23	0.0	2.0	*	0.0	3.4	*	0.0	4.4	*
Hysterectomy	9	0.0	1.1	*	0.0	2.4	*	0.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 178
Occupancy Rate 44
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 60
Percent of Physicians Board Certified Specialists 53
Medical Residents/Interns 0
Registered Nurses 115
Licensed Practical Nurses 10

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

UNION HOSPITAL

Medicare Provider Number: 360010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,407	9.2	9.2	0.9	14.8	13.7	1.3	17.6	17.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	41	43.9	29.3	*	46.3	32.4	*	46.3	36.0	*
Congestive Heart Failure	80	10.0	16.6	7.8	20.0	25.1	7.1	28.7	32.1	6.6
Pneumonia/Influenza	96	21.9	17.1	8.0	30.2	23.1	9.9	32.3	27.9	7.4
Chronic Obstructive Pulmonary Disease	25	4.0	6.6	*	12.0	12.5	*	16.0	17.7	*
Transient Cerebral Ischemia	31	0.0	2.0	*	0.0	4.4	*	6.5	7.0	*
Stroke	56	12.5	20.7	9.3	23.2	27.4	8.1	28.6	32.0	7.6
Hip Fracture	48	2.1	5.8	*	2.1	10.6	*	6.3	13.6	*
Sepsis	22	31.8	25.4	*	40.9	32.8	*	40.9	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.7	*	0.0	5.2	*	0.0	7.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	0.0	3.3	*	0.0	6.3	*	0.0	8.3	*
Open Reduction of Hip Fracture	24	0.0	4.7	*	0.0	8.8	*	0.0	11.6	*
Prostatectomy	42	0.0	1.3	*	4.8	2.7	*	4.8	4.2	*
Cholecystectomy	38	2.6	3.7	*	7.9	6.9	*	7.9	9.1	*
Hysterectomy	14	0.0	0.9	*	0.0	2.0	*	7.1	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,388	9.9	9.9	0.8	15.0	14.6	1.0	19.0	18.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	50	34.0	32.0	*	36.0	35.1	*	40.0	38.6	*
Congestive Heart Failure	64	17.2	19.2	7.7	29.7	28.3	7.6	35.9	35.3	6.5
Pneumonia/Influenza	69	17.4	18.0	4.7	26.1	24.2	5.4	33.3	29.4	7.8
Chronic Obstructive Pulmonary Disease	14	7.1	6.8	*	7.1	13.2	*	14.3	19.2	*
Transient Cerebral Ischemia	23	4.3	1.6	*	8.7	3.5	*	13.0	5.5	*
Stroke	57	24.6	26.4	8.0	26.3	33.1	9.1	28.1	37.9	10.5
Hip Fracture	37	2.7	7.1	*	8.1	12.7	*	10.8	16.3	*
Sepsis	26	11.5	24.2	*	23.1	30.5	*	26.9	36.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	3.9	*	9.1	7.2	*	9.1	10.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	4.5	*	5.9	8.5	*	5.9	11.2	*
Open Reduction of Hip Fracture	12	0.0	6.8	*	0.0	12.9	*	0.0	16.8	*
Prostatectomy	38	0.0	1.1	*	0.0	2.4	*	2.6	3.9	*
Cholecystectomy	36	2.8	2.5	*	2.8	4.6	*	8.3	5.9	*
Hysterectomy	12	0.0	0.9	*	0.0	1.8	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIVERSITY HOSPITALS OF CLEVELAND

2074 Abington Rd
Cleveland, OH 44106

Medicare Provider Number: 360137

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,964	7.7	8.2	0.8	12.5	13.1	0.9	16.4	16.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	61	23.0	27.0	9.6	24.6	30.1	10.4	26.2	33.4	11.2
Congestive Heart Failure	171	7.6	14.7	3.9	15.2	22.7	4.7	22.8	29.2	4.3
Pneumonia/Influenza	118	21.2	17.2	5.8	25.4	23.5	5.2	29.7	28.3	4.3
Chronic Obstructive Pulmonary Disease	63	6.3	8.2	4.8	12.7	14.4	6.5	19.0	19.7	5.5
Transient Cerebral Ischemia	22	4.5	1.6	*	9.1	3.4	*	13.6	5.2	*
Stroke	132	15.2	20.9	5.9	22.0	27.8	5.7	26.5	32.2	6.2
Hip Fracture	67	9.0	8.3	3.4	16.4	14.5	4.8	20.9	18.4	5.2
Sepsis	18	22.2	29.6	*	38.9	38.0	*	44.4	45.2	*
PROCEDURES:										
Angioplasty	23	0.0	3.3	*	0.0	4.1	*	4.3	5.1	*
Coronary Artery Bypass Graft	56	10.7	5.1	4.6	12.5	7.3	6.1	16.1	9.0	6.2
Initial Pacemaker Insertion	22	0.0	2.7	*	4.5	5.5	*	4.5	8.2	*
Carotid Endarterectomy	28	7.1	1.2	*	10.7	2.3	*	10.7	3.5	*
Hip Replacement/Reconstruction	103	1.0	2.4	1.9	1.9	4.6	2.8	4.9	6.3	2.7
Open Reduction of Hip Fracture	25	8.0	7.6	*	16.0	14.0	*	16.0	18.1	*
Prostatectomy	84	0.0	0.6	0.9	1.2	1.3	1.3	2.4	2.3	1.6
Cholecystectomy	42	4.8	3.8	*	9.5	6.9	*	9.5	9.2	*
Hysterectomy	44	0.0	1.2	*	0.0	2.3	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	768
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	954
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	456
Registered Nurses	1,246
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

UNIVERSITY HOSPITALS OF CLEVELAND

Medicare Provider Number: 360137

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,069	7.1	8.3	0.6	11.0	13.0	0.8	14.8	16.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	76	31.6	30.7	5.3	36.8	33.8	5.6	36.8	37.1	5.5
Congestive Heart Failure	166	9.0	15.8	4.1	16.9	24.0	4.6	22.3	30.7	5.2
Pneumonia/Influenza	90	14.4	17.0	5.5	18.9	23.2	6.1	25.6	28.0	5.7
Chronic Obstructive Pulmonary Disease	56	5.4	10.4	5.1	8.9	17.7	7.5	12.5	23.7	8.8
Transient Cerebral Ischemia	28	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	125	14.4	21.7	4.9	19.2	28.9	6.2	23.2	33.7	6.5
Hip Fracture	73	11.0	8.0	4.2	16.4	14.1	6.4	21.9	17.9	7.3
Sepsis	21	33.3	30.7	*	42.9	38.1	*	52.4	43.8	*
PROCEDURES:										
Angioplasty	31	9.7	2.7	*	9.7	3.4	*	9.7	4.3	*
Coronary Artery Bypass Graft	69	10.1	5.6	4.2	14.5	7.4	5.0	17.4	8.6	6.2
Initial Pacemaker Insertion	28	10.7	5.9	*	10.7	8.9	*	10.7	11.6	*
Carotid Endarterectomy	16	12.5	1.4	*	18.8	2.6	*	18.8	3.8	*
Hip Replacement/Reconstruction	96	3.1	1.9	2.8	6.2	3.7	4.0	8.3	5.2	4.4
Open Reduction of Hip Fracture	35	8.6	7.0	*	14.3	13.0	*	22.9	16.8	*
Prostatectomy	96	3.1	1.1	1.5	7.3	2.7	2.8	10.4	4.5	3.8
Cholecystectomy	58	0.0	4.4	3.4	1.7	7.7	4.5	3.4	10.0	5.1
Hysterectomy	48	0.0	0.8	*	2.1	1.5	*	2.1	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,931	8.0	8.5	0.8	13.2	13.6	1.0	16.9	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	63	31.7	29.3	6.1	33.3	32.8	6.0	34.9	36.3	6.4
Congestive Heart Failure	160	10.6	15.8	5.1	21.2	24.1	4.4	28.1	30.9	4.8
Pneumonia/Influenza	75	20.0	17.9	5.0	26.7	24.6	5.4	30.7	29.6	7.4
Chronic Obstructive Pulmonary Disease	52	9.6	13.0	8.4	13.5	21.0	10.3	19.2	27.0	10.9
Transient Cerebral Ischemia	38	5.3	2.1	*	10.5	4.4	*	10.5	6.6	*
Stroke	137	18.2	23.6	5.2	25.5	30.4	4.9	28.5	34.8	5.5
Hip Fracture	56	5.4	7.8	5.3	10.7	13.9	7.6	10.7	17.7	8.5
Sepsis	13	38.5	27.2	*	46.2	35.3	*	46.2	41.0	*
PROCEDURES:										
Angioplasty	14	7.1	5.4	*	7.1	6.9	*	7.1	8.2	*
Coronary Artery Bypass Graft	66	10.6	7.4	3.8	10.6	10.4	3.8	12.1	12.1	4.2
Initial Pacemaker Insertion	23	0.0	3.3	*	13.0	7.1	*	13.0	10.9	*
Carotid Endarterectomy	23	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	99	4.0	2.4	3.3	7.1	4.7	4.6	8.1	6.3	4.9
Open Reduction of Hip Fracture	35	5.7	7.1	*	14.3	13.5	*	14.3	17.5	*
Prostatectomy	91	2.2	1.1	1.5	5.5	2.7	2.9	6.6	4.5	3.3
Cholecystectomy	23	0.0	4.0	*	8.7	7.2	*	8.7	9.7	*
Hysterectomy	49	6.1	0.6	*	8.2	1.3	*	8.2	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIVERSITY OF CINCINNATI MEDICAL CENTER

234 Goodman St
Cincinnati, OH 45267

Medicare Provider Number: 360003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,107	8.3	8.4	0.5	13.4	13.0	0.7	17.2	16.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	54	22.2	28.1	12.8	25.9	31.3	12.1	29.6	34.7	9.9
Congestive Heart Failure	127	14.2	13.4	3.1	25.2	20.7	5.6	28.3	26.9	4.4
Pneumonia/Influenza	113	14.2	14.7	3.4	19.5	20.0	4.3	25.7	24.2	4.6
Chronic Obstructive Pulmonary Disease	61	4.9	8.2	3.9	9.8	14.3	5.5	11.5	19.3	6.1
Transient Cerebral Ischemia	35	0.0	1.5	*	0.0	3.2	*	0.0	5.0	*
Stroke	95	13.7	19.5	6.5	23.2	25.5	6.7	23.2	29.7	9.3
Hip Fracture	43	4.7	6.7	*	16.3	11.8	*	18.6	15.2	*
Sepsis	28	39.3	24.3	*	50.0	30.9	*	53.6	36.3	*
PROCEDURES:										
Angioplasty	29	3.4	2.6	*	3.4	3.3	*	6.9	4.2	*
Coronary Artery Bypass Graft	61	6.6	4.7	3.4	8.2	6.6	4.0	8.2	7.8	4.3
Initial Pacemaker Insertion	13	7.7	5.8	*	15.4	10.3	*	15.4	14.1	*
Carotid Endarterectomy	6	16.7	1.5	*	16.7	2.4	*	16.7	3.4	*
Hip Replacement/Reconstruction	31	0.0	2.3	*	12.9	4.2	*	12.9	5.7	*
Open Reduction of Hip Fracture	23	4.3	5.5	*	8.7	10.1	*	8.7	13.2	*
Prostatectomy	55	0.0	1.0	2.3	3.6	2.6	2.8	7.3	4.5	4.0
Cholecystectomy	19	0.0	3.8	*	10.5	7.0	*	10.5	9.2	*
Hysterectomy	16	0.0	1.3	*	6.3	2.8	*	12.5	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	647
Occupancy Rate	76
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	777
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	326
Registered Nurses	873
Licensed Practical Nurses	113

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

UNIVERSITY OF CINCINNATI MEDICAL CENTER

Medicare Provider Number: 360003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,046	8.5	8.5	0.5	12.7	13.2	0.9	16.5	16.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	68	30.9	29.5	6.0	38.2	33.2	6.6	39.7	36.9	6.4
Congestive Heart Failure	113	16.8	15.1	4.1	24.8	23.3	4.6	33.6	30.1	6.0
Pneumonia/Influenza	73	21.9	14.4	5.5	23.3	20.0	5.3	26.0	24.4	5.6
Chronic Obstructive Pulmonary Disease	44	4.5	6.9	*	9.1	12.4	*	9.1	17.5	*
Transient Cerebral Ischemia	38	5.3	1.6	*	5.3	3.3	*	5.3	5.2	*
Stroke	110	8.2	18.8	5.9	15.5	24.9	5.9	20.0	29.3	6.1
Hip Fracture	32	0.0	6.3	*	9.4	11.7	*	9.4	15.3	*
Sepsis	21	47.6	28.5	*	57.1	35.5	*	61.9	41.1	*
PROCEDURES:										
Angioplasty	36	5.6	4.3	*	5.6	5.4	*	5.6	6.6	*
Coronary Artery Bypass Graft	22	9.1	5.3	*	13.6	7.0	*	18.2	8.1	*
Initial Pacemaker Insertion	7	0.0	3.2	*	0.0	6.4	*	0.0	10.1	*
Carotid Endarterectomy	4	25.0	1.4	*	25.0	2.5	*	25.0	3.7	*
Hip Replacement/Reconstruction	25	0.0	3.1	*	0.0	6.1	*	0.0	8.2	*
Open Reduction of Hip Fracture	14	0.0	5.9	*	14.3	11.4	*	14.3	15.2	*
Prostatectomy	56	0.0	0.8	2.0	1.8	2.0	3.1	7.1	3.3	3.4
Cholecystectomy	37	5.4	3.9	*	10.8	6.5	*	10.8	8.4	*
Hysterectomy	14	0.0	0.7	*	0.0	1.5	*	7.1	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,059	7.3	8.2	0.7	11.8	13.0	0.9	15.5	16.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	49	24.5	30.5	*	30.6	33.9	*	36.7	37.3	*
Congestive Heart Failure	95	9.5	15.2	4.6	16.8	22.9	5.2	28.4	29.2	4.8
Pneumonia/Influenza	102	16.7	17.3	4.2	18.6	23.8	6.4	24.5	28.9	6.4
Chronic Obstructive Pulmonary Disease	17	0.0	8.6	*	17.6	14.9	*	35.3	19.7	*
Transient Cerebral Ischemia	22	4.5	1.8	*	4.5	3.7	*	9.1	5.8	*
Stroke	84	20.2	20.5	5.0	25.0	27.7	7.7	27.4	32.3	8.5
Hip Fracture	47	6.4	7.2	*	10.6	12.9	*	12.8	16.6	*
Sepsis	15	40.0	30.4	*	40.0	37.6	*	46.7	43.4	*
PROCEDURES:										
Angioplasty	18	0.0	3.6	*	0.0	5.1	*	5.6	6.4	*
Coronary Artery Bypass Graft	31	12.9	5.0	*	16.1	7.1	*	19.4	8.4	*
Initial Pacemaker Insertion	19	5.3	5.1	*	15.8	9.7	*	15.8	13.7	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	3.5	*	0.0	5.1	*
Hip Replacement/Reconstruction	23	0.0	3.7	*	0.0	7.5	*	0.0	10.4	*
Open Reduction of Hip Fracture	22	9.1	5.8	*	13.6	10.8	*	18.2	14.0	*
Prostatectomy	50	0.0	1.2	*	0.0	3.0	*	2.0	5.1	*
Cholecystectomy	26	3.8	4.1	*	3.8	7.7	*	15.4	10.4	*
Hysterectomy	15	0.0	1.3	*	0.0	2.7	*	6.7	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

US AIR FORCE HOSPITAL

Wright-Patterson AFB
Dayton, OH 45433

Medicare Provider Number: 36006F

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1	100.0	48.9	*	100.0	56.2	*	100.0	65.1	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	252
Occupancy Rate	67
Ownership/Control	Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	105
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	117
Registered Nurses	215
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

US AIR FORCE HOSPITAL

Medicare Provider Number: 36006F

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5	40.0	35.4	*	40.0	40.2	*	40.0	46.6	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Medicare Provider Number: 36006F

355.2

DEPARTMENT OF THE AIR FORCE
USAF MEDICAL CENTER, WRIGHT-PATTERSON (AFLC)
WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433 – 5300

DEC 20 1990

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert

In response to the Health Care Financing Administration letter, 6 Dec 90, the following comments are submitted regarding the one Medicare patient who expired within thirty days of inpatient treatment at our facility.

The patient's name was [redacted] His health insurance claim number was [redacted].

The patient was transferred from a local civilian facility to USAF Medical Center Wright-Patterson for hyperbaric oxygen treatments following a forequarter amputation of the left arm. The diagnosis was Clostridium septicum, gas gangrene. The patient was returned to the local facility alert, oriented, and with stable vital signs. He expired four days later at the civilian facility.

Thank you for the opportunity of providing input to the Medicare Hospital Mortality Information.

Sincerely

TERENCE T. CUNNINGHAM, Col, USAF, MSC
Administrator

VAN WERT COUNTY HOSPITAL

1250 S Washington Street
Van Wert, OH 45891

Medicare Provider Number: 360071

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	659	12.0	9.0	1.7	16.5	13.5	1.9	19.7	17.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	26	19.2	27.7	*	23.1	31.2	*	26.9	34.8	*
Congestive Heart Failure	50	22.0	13.2	*	32.0	20.9	*	36.0	27.5	*
Pneumonia/Influenza	36	13.9	16.6	*	13.9	22.2	*	16.7	26.8	*
Chronic Obstructive Pulmonary Disease	8	0.0	4.0	*	0.0	7.5	*	12.5	11.0	*
Transient Cerebral Ischemia	17	0.0	1.7	*	0.0	3.6	*	5.9	5.8	*
Stroke	28	32.1	21.8	*	42.9	28.2	*	46.4	32.7	*
Hip Fracture	26	7.7	6.1	*	7.7	11.3	*	15.4	14.9	*
Sepsis	16	12.5	20.3	*	25.0	26.5	*	25.0	31.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.7	*	0.0	5.4	*	0.0	8.3	*
Carotid Endarterectomy	4	25.0	1.2	*	25.0	2.1	*	25.0	3.1	*
Hip Replacement/Reconstruction	18	5.6	2.9	*	5.6	5.5	*	5.6	7.5	*
Open Reduction of Hip Fracture	15	6.7	6.1	*	6.7	11.7	*	20.0	15.6	*
Prostatectomy	5	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*
Cholecystectomy	14	0.0	1.7	*	7.1	2.9	*	7.1	3.7	*
Hysterectomy	6	16.7	1.7	*	16.7	3.7	*	33.3	5.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	100
Occupancy Rate	29
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	67
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

VAN WERT COUNTY HOSPITAL

Medicare Provider Number: 360071

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	702	10.4	9.2	1.4	14.7	13.8	1.5	17.7	17.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	30	43.3	28.5	*	46.7	32.4	*	50.0	36.0	*
Congestive Heart Failure	47	14.9	18.0	*	21.3	27.7	*	23.4	35.1	*
Pneumonia/Influenza	46	10.9	16.5	*	26.1	22.0	*	30.4	26.4	*
Chronic Obstructive Pulmonary Disease	12	0.0	5.1	*	8.3	10.1	*	25.0	14.6	*
Transient Cerebral Ischemia	14	0.0	2.3	*	7.1	5.0	*	14.3	7.8	*
Stroke	32	21.9	21.0	*	25.0	28.1	*	28.1	32.8	*
Hip Fracture	14	7.1	5.7	*	7.1	11.1	*	7.1	14.9	*
Sepsis	9	22.2	24.8	*	22.2	30.9	*	22.2	36.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.9	*	0.0	10.0	*	50.0	14.4	*
Carotid Endarterectomy	3	0.0	1.7	*	0.0	3.1	*	0.0	4.7	*
Hip Replacement/Reconstruction	16	6.3	2.1	*	6.3	4.5	*	6.3	6.5	*
Open Reduction of Hip Fracture	8	12.5	5.6	*	12.5	11.4	*	12.5	15.5	*
Prostatectomy	9	11.1	0.9	*	11.1	2.1	*	11.1	3.2	*
Cholecystectomy	30	10.0	3.0	*	10.0	5.3	*	10.0	6.8	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	681	14.0	10.1	1.4	19.5	15.0	1.7	24.4	19.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	34	44.1	34.8	*	50.0	38.7	*	55.9	42.8	*
Congestive Heart Failure	49	18.4	17.2	*	34.7	26.5	*	46.9	33.9	*
Pneumonia/Influenza	45	20.0	18.0	*	28.9	24.2	*	42.2	29.4	*
Chronic Obstructive Pulmonary Disease	20	20.0	10.8	*	30.0	19.5	*	45.0	26.6	*
Transient Cerebral Ischemia	15	6.7	1.9	*	6.7	4.2	*	6.7	6.7	*
Stroke	38	28.9	24.2	*	36.8	31.9	*	44.7	36.8	*
Hip Fracture	30	13.3	5.3	*	16.7	10.0	*	20.0	13.3	*
Sepsis	5	20.0	27.0	*	40.0	37.6	*	40.0	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.1	*	0.0	5.2	*	0.0	8.6	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.7	*	0.0	2.5	*
Hip Replacement/Reconstruction	16	12.5	4.0	*	18.8	7.7	*	25.0	10.4	*
Open Reduction of Hip Fracture	18	11.1	4.9	*	11.1	9.7	*	16.7	13.1	*
Prostatectomy	24	0.0	0.9	*	0.0	2.3	*	0.0	4.1	*
Cholecystectomy	18	5.6	1.6	*	5.6	3.0	*	5.6	4.0	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

VETERANS MEMORIAL HOSPITAL

Mulberry Hgts
Pomeroy, OH 45769

Medicare Provider Number: 360200

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	396	11.1	11.3	1.6	16.2	16.5	2.0	22.0	20.7	2.3
CONDITIONS:										
Acute Myocardial Infarction	14	50.0	36.8	*	50.0	39.8	*	50.0	43.5	*
Congestive Heart Failure	30	6.7	16.0	*	6.7	24.8	*	20.0	31.5	*
Pneumonia/Influenza	39	17.9	16.8	*	20.5	23.0	*	28.2	27.6	*
Chronic Obstructive Pulmonary Disease	10	0.0	5.4	*	0.0	10.3	*	0.0	14.7	*
Transient Cerebral Ischemia	6	0.0	1.4	*	0.0	3.3	*	16.7	5.3	*
Stroke	20	20.0	20.2	*	20.0	26.1	*	30.0	30.5	*
Hip Fracture	11	0.0	5.5	*	9.1	10.8	*	9.1	14.7	*
Sepsis	4	100.0	35.8	*	100.0	42.9	*	100.0	50.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.7	*	0.0	3.3	*	0.0	5.2	*
Hip Replacement/Reconstruction	9	0.0	4.6	*	11.1	9.5	*	11.1	13.2	*
Open Reduction of Hip Fracture	4	0.0	4.0	*	0.0	7.7	*	0.0	10.4	*
Prostatectomy	13	0.0	0.8	*	7.7	2.2	*	7.7	3.7	*
Cholecystectomy	3	0.0	7.3	*	0.0	14.0	*	0.0	17.9	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 69
Occupancy Rate 75
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 10
Percent of Physicians Board Certified Specialists 90
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

VETERANS MEMORIAL HOSPITAL

Medicare Provider Number: 360200

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	421	11.9	9.9	1.8	15.2	15.3	1.8	19.7	19.5	2.1
CONDITIONS:										
Acute Myocardial Infarction	14	28.6	27.0	*	28.6	31.2	*	28.6	35.0	*
Congestive Heart Failure	16	18.8	15.9	*	25.0	25.3	*	43.8	32.9	*
Pneumonia/Influenza	34	8.8	15.4	*	11.8	21.1	*	17.6	25.8	*
Chronic Obstructive Pulmonary Disease	11	0.0	5.4	*	9.1	10.3	*	9.1	14.7	*
Transient Cerebral Ischemia	9	11.1	1.4	*	11.1	3.0	*	11.1	4.6	*
Stroke	15	26.7	21.1	*	26.7	27.8	*	26.7	32.6	*
Hip Fracture	3	33.3	3.5	*	33.3	6.6	*	33.3	8.9	*
Sepsis	4	25.0	28.0	*	25.0	35.5	*	25.0	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	10.1	*	0.0	13.4	*	0.0	17.1	*
Carotid Endarterectomy	2	0.0	3.2	*	0.0	7.2	*	50.0	11.0	*
Hip Replacement/Reconstruction	3	0.0	2.4	*	0.0	4.7	*	0.0	6.4	*
Open Reduction of Hip Fracture	0									
Prostatectomy	13	7.7	1.5	*	15.4	3.8	*	15.4	6.6	*
Cholecystectomy	8	12.5	5.9	*	12.5	9.8	*	12.5	11.7	*
Hysterectomy	4	0.0	2.7	*	0.0	5.1	*	0.0	7.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	405	13.1	9.9	2.6	17.0	14.7	2.7	21.2	18.6	2.8
CONDITIONS:										
Acute Myocardial Infarction	18	38.9	28.8	*	38.9	31.8	*	44.4	35.2	*
Congestive Heart Failure	22	27.3	13.5	*	31.8	20.6	*	36.4	26.9	*
Pneumonia/Influenza	20	20.0	18.3	*	20.0	24.7	*	20.0	29.7	*
Chronic Obstructive Pulmonary Disease	7	28.6	7.3	*	28.6	13.5	*	28.6	18.8	*
Transient Cerebral Ischemia	9	0.0	2.0	*	11.1	4.4	*	11.1	7.2	*
Stroke	14	7.1	21.3	*	14.3	28.7	*	14.3	33.9	*
Hip Fracture	4	0.0	6.3	*	25.0	11.0	*	25.0	13.9	*
Sepsis	4	50.0	22.4	*	50.0	30.0	*	75.0	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	29.0	*	0.0	33.8	*	0.0	37.2	*
Carotid Endarterectomy	1	0.0	2.3	*	0.0	5.4	*	0.0	8.2	*
Hip Replacement/Reconstruction	2	0.0	4.4	*	50.0	7.4	*	50.0	9.4	*
Open Reduction of Hip Fracture	2	0.0	6.8	*	0.0	13.0	*	0.0	16.9	*
Prostatectomy	8	12.5	3.6	*	12.5	8.7	*	12.5	13.5	*
Cholecystectomy	13	0.0	2.9	*	0.0	4.6	*	0.0	5.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Veterans Memorial Hospital
community service

#360200

VETERANS MEMORIAL HOSPITAL

RESPONSE TO HCFA
HOSPITAL MORTALITY DATA 1989, 1988, 1987
JANUARY 15, 1991

Veterans Memorial Hospital is committed, willing and able to provide the best care possible to patients in the rural hospital setting. We understand that the HCFA Hospital Mortality Data has been developed to raise questions and not to answer questions. The data assists hospitals in looking internally to ask questions and not as the final definition of quality. The data identifies differences in mortality among hospital patient populations, but it does not explain why the mortality is different.

Veterans Memorial Hospital takes the issue of quality seriously and any opportunities for improvement in providing quality care are reviewed closely. The mortality data has been reviewed and discussed by the hospital QA Committee. In reviewing the data, Veterans Memorial Hospital asked three questions:

1. "Are we different from the average?"
2. "Is the difference likely to be meaningful?"
3. "What explains the difference?"

1. "Are we different from the average?"

The range of expected mortality compared with the observed mortality rate for VMH showed that all causes were well within the expected mortality range. Because VMH was well within the expected range, the difference between the observed and the expected rates is likely to be the result of random variation or chance and not a direct result of substandard medical care.

The Standard Deviations for all of the conditions and procedures for 1987, 1988 & 1989 were not calculated by HCFA due to the fact that the number of cases or deaths were too small to permit a satisfactory estimation of the Standard Deviation. Yet, a point estimate of all of the conditions and procedures were able to be calculated not allowing for any standard deviations.

115 E. Memorial Drive • Pomeroy, OH 45769 • (614) 992-2104
Fax: (614) 992-2484

2. "Is the difference likely to be meaningful?"

Given that for all cases, Veterans Memorial Hospital was within the range of expected mortality the difference between the observed and the expected rates is likely to be the result of random variation or chance.

3. "What explains the difference?"

The difference is slight and given the fact that Veterans Memorial Hospital was within the expected range of mortality the question of the significance of the difference becomes important.

The data contains deaths that occurred 30, 90 & 180 days after admission to the hospital, regardless of if the death occurred at the hospital or at another location. Post-discharge deaths may not have been due to the primary diagnosis yet it is attributed to the hospitalization.

The patient's primary diagnosis is based on why the patient was admitted to the hospital and may not be the main cause of the patient's death.

Summary

The mortality numbers have changed from 1987, 1988, to 1989. The numbers reflect a decrease in the expected mortality rate. Does this reflect that VMH has improved the quality of care it provides over the past three years? The question is difficult to answer just looking at these numbers alone, however, if other data from within the hospital were reviewed, one would find that indeed, the quality of care has improved. VMH is continually improving the quality of care it provides to the community it serves.

W.S. Lucas
Administrator

Margaret Holm, M.H.S.A.
Assistant Administrator

James E. Witherell, M.D.
Medical Director

WADSWORTH RITTMAN HOSPITAL

195 Wadsworth Road
Wadsworth, OH 44281

Medicare Provider Number: 360195

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	651	8.6	9.5	1.4	13.2	14.1	1.7	16.7	17.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	31.5	*	38.1	34.5	*	38.1	37.6	*
Congestive Heart Failure	41	12.2	17.1	*	22.0	25.4	*	26.8	32.4	*
Pneumonia/Influenza	51	21.6	15.4	7.6	23.5	20.6	8.7	33.3	24.9	9.3
Chronic Obstructive Pulmonary Disease	6	16.7	11.5	*	16.7	18.0	*	33.3	23.6	*
Transient Cerebral Ischemia	14	0.0	2.0	*	0.0	4.6	*	7.1	7.3	*
Stroke	28	7.1	20.6	*	7.1	27.9	*	7.1	32.4	*
Hip Fracture	21	4.8	8.6	*	14.3	15.2	*	23.8	19.5	*
Sepsis	8	37.5	21.8	*	37.5	26.6	*	37.5	31.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	3.0	*	5.6	6.0	*	11.1	8.2	*
Open Reduction of Hip Fracture	12	8.3	8.1	*	16.7	14.4	*	25.0	18.2	*
Prostatectomy	19	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	18	5.6	4.0	*	5.6	6.7	*	11.1	8.6	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	85
Occupancy Rate	35
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	28
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	68
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WADSWORTH RITTMAN HOSPITAL

Medicare Provider Number: 360195

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	662	10.4	10.1	1.4	16.0	14.9	1.8	18.7	18.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	22	36.4	30.4	*	45.5	33.5	*	50.0	36.8	*
Congestive Heart Failure	45	13.3	16.8	*	22.2	24.7	*	31.1	31.5	*
Pneumonia/Influenza	32	31.3	16.7	*	43.8	22.5	*	50.0	27.1	*
Chronic Obstructive Pulmonary Disease	9	11.1	14.5	*	22.2	21.4	*	22.2	26.6	*
Transient Cerebral Ischemia	14	0.0	2.6	*	0.0	5.9	*	0.0	9.4	*
Stroke	31	12.9	20.6	*	12.9	28.4	*	12.9	33.3	*
Hip Fracture	39	10.3	6.9	*	23.1	12.3	*	23.1	15.6	*
Sepsis	11	27.3	32.5	*	54.5	41.3	*	54.5	47.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	29	10.3	4.3	*	24.1	8.2	*	24.1	10.7	*
Open Reduction of Hip Fracture	19	5.3	6.0	*	10.5	10.9	*	10.5	14.1	*
Prostatectomy	20	0.0	2.4	*	0.0	4.3	*	0.0	6.4	*
Cholecystectomy	24	0.0	3.8	*	4.2	7.0	*	4.2	9.3	*
Hysterectomy	5	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	686	11.5	9.8	2.0	17.1	14.9	2.4	20.4	18.9	2.8
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	26.3	*	33.3	29.3	*	42.9	32.5	*
Congestive Heart Failure	55	25.5	17.8	7.5	34.5	25.2	7.3	38.2	31.9	8.3
Pneumonia/Influenza	27	11.1	14.8	*	14.8	20.1	*	14.8	24.2	*
Chronic Obstructive Pulmonary Disease	13	38.5	12.5	*	46.2	19.8	*	46.2	25.2	*
Transient Cerebral Ischemia	11	0.0	2.0	*	0.0	4.3	*	0.0	6.9	*
Stroke	25	20.0	19.6	*	28.0	27.0	*	28.0	31.4	*
Hip Fracture	21	4.8	6.2	*	14.3	11.3	*	14.3	14.8	*
Sepsis	6	16.7	17.4	*	33.3	24.0	*	33.3	28.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.4	*	0.0	6.4	*	0.0	8.6	*
Open Reduction of Hip Fracture	13	0.0	5.4	*	15.4	10.7	*	15.4	14.3	*
Prostatectomy	16	0.0	1.0	*	0.0	2.1	*	0.0	3.3	*
Cholecystectomy	22	4.5	3.8	*	9.1	7.0	*	9.1	9.4	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WARREN GENERAL HOSPITAL

667 Eastland Ave SE
Warren, OH 44481

Medicare Provider Number: 360161

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,034	9.8	9.9	1.0	14.7	14.9	1.1	18.6	18.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	34	26.5	24.1	*	32.4	27.5	*	41.2	30.8	*
Congestive Heart Failure	72	11.1	14.8	5.3	23.6	22.7	5.1	26.4	29.1	5.9
Pneumonia/Influenza	66	16.7	16.4	4.6	18.2	22.2	5.3	21.2	26.7	5.9
Chronic Obstructive Pulmonary Disease	9	11.1	8.4	*	33.3	13.7	*	33.3	18.5	*
Transient Cerebral Ischemia	46	2.2	1.9	*	2.2	4.1	*	4.3	6.5	*
Stroke	35	17.1	19.2	*	25.7	25.6	*	31.4	29.9	*
Hip Fracture	27	11.1	6.8	*	14.8	11.8	*	14.8	15.2	*
Sepsis	7	71.4	39.6	*	85.7	47.9	*	85.7	54.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	7.0	*	33.3	13.0	*	33.3	18.1	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	16	6.3	3.3	*	6.3	6.6	*	6.3	9.0	*
Open Reduction of Hip Fracture	13	7.7	6.2	*	15.4	10.8	*	15.4	13.6	*
Prostatectomy	25	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*
Cholecystectomy	10	0.0	0.7	*	0.0	1.2	*	0.0	1.5	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	134
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	76
Percent of Physicians Board Certified Specialists	47
Medical Residents/Interns	18
Registered Nurses	141
Licensed Practical Nurses	71

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WARREN GENERAL HOSPITAL

Medicare Provider Number: 360161

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,117	10.4	9.8	1.0	15.0	14.7	1.1	18.3	18.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	34	17.6	28.3	*	35.3	31.8	*	35.3	35.5	*
Congestive Heart Failure	93	16.1	15.3	3.8	21.5	23.2	4.9	25.8	29.6	5.6
Pneumonia/Influenza	76	13.2	16.7	7.2	14.5	22.3	10.0	19.7	26.7	11.0
Chronic Obstructive Pulmonary Disease	12	25.0	12.1	*	25.0	20.6	*	33.3	26.5	*
Transient Cerebral Ischemia	24	0.0	1.9	*	0.0	4.0	*	0.0	6.2	*
Stroke	38	21.1	20.7	*	31.6	27.5	*	34.2	32.1	*
Hip Fracture	24	8.3	6.2	*	8.3	11.1	*	12.5	14.4	*
Sepsis	6	33.3	32.6	*	33.3	40.9	*	50.0	46.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	14.6	*	40.0	18.2	*	40.0	21.9	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	21	4.8	3.1	*	4.8	5.7	*	4.8	7.3	*
Open Reduction of Hip Fracture	9	11.1	4.9	*	11.1	9.4	*	22.2	12.7	*
Prostatectomy	24	0.0	0.9	*	0.0	2.2	*	0.0	3.7	*
Cholecystectomy	9	11.1	1.3	*	11.1	2.2	*	11.1	2.8	*
Hysterectomy	5	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,084	11.9	10.1	1.7	17.0	15.2	1.9	19.6	19.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	33	27.3	28.7	*	33.3	32.0	*	39.4	35.3	*
Congestive Heart Failure	84	23.8	19.4	7.1	32.1	28.8	6.2	36.9	36.2	5.3
Pneumonia/Influenza	60	11.7	16.5	6.5	21.7	22.1	5.4	21.7	26.6	7.5
Chronic Obstructive Pulmonary Disease	19	10.5	10.8	*	15.8	17.7	*	21.1	23.0	*
Transient Cerebral Ischemia	33	0.0	2.4	*	3.0	5.1	*	6.1	7.8	*
Stroke	27	22.2	22.9	*	25.9	30.1	*	25.9	34.8	*
Hip Fracture	26	7.7	7.8	*	11.5	13.9	*	11.5	17.7	*
Sepsis	8	62.5	33.3	*	75.0	41.6	*	75.0	48.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.6	*	0.0	5.1	*	0.0	7.6	*
Carotid Endarterectomy	6	16.7	1.7	*	16.7	3.3	*	16.7	4.8	*
Hip Replacement/Reconstruction	18	5.6	3.7	*	5.6	7.0	*	5.6	9.3	*
Open Reduction of Hip Fracture	13	7.7	8.0	*	7.7	14.6	*	7.7	18.6	*
Prostatectomy	33	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	10	0.0	1.8	*	0.0	3.2	*	0.0	4.2	*
Hysterectomy	1	0.0	6.6	*	0.0	14.4	*	0.0	21.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

363.1

WARREN GENERAL HOSPITAL
667 EASTLAND AVENUE S.E. • WARREN, OHIO 44484-0128
(216) 373-9000

January 15, 1991

Gail R. Wilensky, Ph.D.
Administrator
Health Care Financing Administration

Hospital I.D. 360161

Dear Dr. Wilensky:

We have reviewed the mortality information about Medicare patients discharged from Warren General Hospital in federal fiscal year 1989 which you forwarded to us in your letter of December 6, 1990. Our comments follow in the text of this letter.

To preface our remarks about our hospital specific mortality data, we would, once again, like to reiterate and emphasize the position previously taken by HCFA, the AHA and others, that the data should not be interpreted as a complete measure of quality of care at any hospital. It should not be used as the basis to judge the quality of care at an individual hospital or to make comparisons among hospitals.

We find the mortality data HCFA reports to be a useful adjunct to the Hospital's ongoing clinical review processes, providing a set of screens to identify areas of patient care for further study. Its utility is, however, limited to raising questions for investigation by the aforementioned mechanisms. It is not a document useful in reaching conclusions about the quality of care provided at the Hospital. Since the extensive methodology revisions which HCFA has implemented in the past year do not expand or further refine its data base to adjust for differences in the severity of illness of individual patients, hospitals have no basis to alter their conclusion that variations from projected mortalities remain substantially unexplained by the HCFA methodology. We encourage HCFA to continue research directed to improving the ability of its methodology to take into account clinical data pertinent to the severity of illness of individual patients, and to share its conclusions and any resulting revisions to the methodology with hospitals in a complete and open presentation.

The Hospital has conducted research on all 239 patients who HCFA reports died during or anytime after admission to Warren General Hospital in federal fiscal year 1989. A breakdown of total deaths by age of patient, source of admission, and status at discharge from the Hospital is presented below:

Age of Patient	#	%	Source of Admission	#	%	Discharge Status	#	%
Under 65	16	7%	Home	154	64%	Died in Hospital	78	33%
65 - 74	67	28%	Nursing Home	84	35%	To Nursing Home	68	28%
75 - 84	91	38%	Other	1	1%	To Home	76	32%
85 - 94	55	23%				Transfer to Another Hospital	16	7%
95 +	10	4%				Other	1	0%
Total	239	100%	Total	239	100%	Total	239	100%

Average age 78

Two of the aforementioned characteristics are especially relevant to the Hospital's mortality rate: a significant portion (35%) of the patients who died were admitted to the Hospital from nursing homes in the area, and 27% of the patients who died were 85 years of age or older. Typically, patients with the aforementioned characteristics have chronic conditions in addition to an acute problem which necessitates hospital admission, a factor which adversely affects their mortality rate. These characteristics are consistent with the fact that many staff physicians at the Hospital serve as Medical Directors of area skilled nursing facilities.

A review of the Hospital's mortality rates reported for federal fiscal years 1989, 1988 and 1987 at the 30, 90 and 180 day intervals reveals results within predicted ranges at the 75%, 95% and 99% confidence ranges in the three categories for which the HCFA methodology produces statistically valid results - all causes, congestive heart failure, and pneumonia/influenza. The remaining condition and procedure categories contain too few cases to be compared to a predicted value or range - according to HCFA, "the precision and interpretability of our estimates are questionable when there are no deaths or 50 or fewer cases in a particular category being analyzed."

The Hospital wishes to supply additional information about the characteristics of the patients categorized in the sepsis condition. Six of the seven cases reported for 1989 resulted in death within 90 days of admission to the Hospital. The average age of the patients who died was 84. Five of the patients who died were admitted from nursing homes. All had other acute and/or chronic disorders in addition to sepsis, including pneumonia, renal failure and cancer.

With respect to the information on hospital characteristics selected from the 1989 AHA files, Warren General Hospital does have a cardiac intensive care unit. Apparently this mistake stems from the wording of the AHA survey itself, which inquires if a hospital has an intensive care unit which provides "cardiac care only" or an intensive care unit which provides "mixed or other care". We have a unit specifically for intensive care patients and a unit specifically for coronary care patients. The units occupy adjacent spaces, and the capacity of each is flexible to meet the requirements of fluctuating patient census. Therefore, we provided the latter response to the AHA.

Thank you for this opportunity to comment on HCFA's publication of Medicare Hospital Mortality Information.

Very truly yours,

Randall S. Evans
Executive Director

RSE/ss

WAYNE HOSPITAL

835 Sweitzer St
Greenville, OH 45331

Medicare Provider Number: 360044

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	873	12.0	9.4	1.7	15.6	13.5	1.6	18.3	16.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	46	45.7	31.9	*	52.2	35.8	*	52.2	39.5	*
Congestive Heart Failure	50	24.0	18.1	*	28.0	27.1	*	46.0	34.4	*
Pneumonia/Influenza	42	16.7	15.5	*	19.0	20.9	*	21.4	25.0	*
Chronic Obstructive Pulmonary Disease	10	10.0	7.0	*	10.0	12.2	*	10.0	16.7	*
Transient Cerebral Ischemia	11	9.1	1.4	*	9.1	3.1	*	9.1	5.0	*
Stroke	30	33.3	23.3	*	36.7	29.2	*	40.0	33.8	*
Hip Fracture	29	10.3	7.3	*	20.7	12.8	*	27.6	16.2	*
Sepsis	9	33.3	27.6	*	33.3	33.8	*	33.3	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	3.4	*	0.0	6.4	*	0.0	8.7	*
Open Reduction of Hip Fracture	20	10.0	6.3	*	15.0	11.6	*	25.0	15.1	*
Prostatectomy	45	0.0	1.9	*	2.2	3.3	*	2.2	4.8	*
Cholecystectomy	20	0.0	1.1	*	0.0	1.9	*	0.0	2.5	*
Hysterectomy	8	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	88
Occupancy Rate	44
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	34
Percent of Physicians Board Certified Specialists	88
Medical Residents/Interns	0
Registered Nurses	56
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WAYNE HOSPITAL

Medicare Provider Number: 360044

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	911	11.1	10.1	1.3	16.2	15.0	1.8	21.2	18.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	33	27.3	23.4	*	30.3	26.3	*	36.4	29.5	*
Congestive Heart Failure	69	24.6	18.9	5.7	40.6	28.4	7.5	50.7	35.8	9.3
Pneumonia/Influenza	51	9.8	18.1	9.0	15.7	23.8	10.4	19.6	28.5	9.7
Chronic Obstructive Pulmonary Disease	16	6.3	7.8	*	6.3	13.0	*	18.8	17.6	*
Transient Cerebral Ischemia	18	5.6	2.3	*	5.6	5.2	*	5.6	8.2	*
Stroke	35	42.9	27.1	*	45.7	32.9	*	54.3	37.5	*
Hip Fracture	46	6.5	8.7	*	10.9	15.4	*	13.0	19.5	*
Sepsis	9	33.3	33.9	*	55.6	43.4	*	77.8	50.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	24.8	*	0.0	28.3	*	0.0	31.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	5.1	*	5.9	9.3	*	11.8	12.0	*
Open Reduction of Hip Fracture	24	0.0	7.5	*	8.3	14.5	*	8.3	19.0	*
Prostatectomy	49	4.1	1.0	*	4.1	2.5	*	4.1	4.1	*
Cholecystectomy	26	0.0	1.9	*	3.8	3.7	*	7.7	5.1	*
Hysterectomy	3	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	916	10.8	10.2	1.1	14.7	14.9	1.2	18.1	18.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	41	36.6	31.1	*	43.9	34.4	*	46.3	38.0	*
Congestive Heart Failure	42	26.2	19.0	*	33.3	27.7	*	33.3	34.7	*
Pneumonia/Influenza	51	17.6	18.1	6.1	25.5	24.1	6.1	31.4	28.7	7.0
Chronic Obstructive Pulmonary Disease	9	22.2	7.0	*	22.2	12.7	*	22.2	17.2	*
Transient Cerebral Ischemia	16	0.0	2.6	*	0.0	5.6	*	0.0	8.8	*
Stroke	35	40.0	21.5	*	40.0	28.3	*	42.9	33.1	*
Hip Fracture	40	2.5	9.4	*	5.0	16.1	*	7.5	20.1	*
Sepsis	13	30.8	32.1	*	38.5	41.1	*	38.5	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.1	*	20.0	6.7	*	20.0	10.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	3.7	*	0.0	7.2	*	0.0	9.9	*
Open Reduction of Hip Fracture	22	4.5	8.5	*	9.1	15.4	*	9.1	19.5	*
Prostatectomy	38	0.0	1.3	*	2.6	3.3	*	7.9	5.6	*
Cholecystectomy	19	0.0	1.9	*	0.0	3.5	*	0.0	4.7	*
Hysterectomy	14	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WELLINGTON COMMUNITY HOSPITAL

510 Dickson Street
Wellington, OH 44090

Medicare Provider Number: 360168

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	128	10.9	7.8	4.2	14.8	11.3	4.5	17.2	14.2	4.6
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	26.8	*	0.0	28.9	*	0.0	31.4	*
Congestive Heart Failure	9	0.0	14.7	*	33.3	23.0	*	33.3	29.9	*
Pneumonia/Influenza	9	22.2	21.7	*	22.2	30.2	*	22.2	36.1	*
Chronic Obstructive Pulmonary Disease	2	50.0	8.7	*	50.0	14.6	*	50.0	19.4	*
Transient Cerebral Ischemia	5	0.0	2.0	*	0.0	4.3	*	0.0	6.8	*
Stroke	3	33.3	24.3	*	66.7	33.8	*	100.0	39.6	*
Hip Fracture	5	0.0	6.2	*	0.0	10.9	*	0.0	14.0	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	0.6	*	0.0	1.3	*	0.0	2.3	*
Open Reduction of Hip Fracture	3	0.0	3.6	*	0.0	6.9	*	0.0	9.4	*
Prostatectomy	3	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*
Cholecystectomy	4	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*
Hysterectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 21
Occupancy Rate 14
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 4
Percent of Physicians Board Certified Specialists 50
Medical Residents/Interns 0
Registered Nurses 11
Licensed Practical Nurses 5

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WELLINGTON COMMUNITY HOSPITAL

Medicare Provider Number: 360168

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	139	13.7	7.2	2.9	15.1	10.8	4.4	23.0	13.8	4.0
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	20.4	*	0.0	22.5	*	0.0	25.2	*
Congestive Heart Failure	11	36.4	15.8	*	36.4	24.0	*	36.4	30.6	*
Pneumonia/Influenza	7	28.6	15.3	*	28.6	21.5	*	42.9	26.2	*
Chronic Obstructive Pulmonary Disease	2	0.0	9.8	*	0.0	16.2	*	50.0	21.6	*
Transient Cerebral Ischemia	2	0.0	3.5	*	0.0	8.2	*	0.0	13.4	*
Stroke	5	60.0	25.4	*	60.0	31.7	*	60.0	36.3	*
Hip Fracture	3	0.0	8.1	*	0.0	14.2	*	0.0	17.7	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	0.4	*	0.0	0.5	*	0.0	0.7	*
Open Reduction of Hip Fracture	2	0.0	8.2	*	0.0	14.6	*	0.0	18.3	*
Prostatectomy	1	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*
Cholecystectomy	3	0.0	0.8	*	0.0	1.5	*	0.0	1.9	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	143	3.5	6.9	3.4	5.6	10.2	4.6	8.4	13.1	5.4
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	31.8	*	25.0	35.2	*	25.0	38.7	*
Congestive Heart Failure	11	9.1	15.6	*	9.1	23.4	*	9.1	30.0	*
Pneumonia/Influenza	10	0.0	13.9	*	0.0	18.8	*	10.0	23.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	6.8	*	0.0	10.5	*	0.0	15.0	*
Transient Cerebral Ischemia	1	0.0	2.9	*	0.0	6.8	*	0.0	11.3	*
Stroke	1	0.0	25.5	*	0.0	37.0	*	0.0	42.8	*
Hip Fracture	4	0.0	6.1	*	0.0	10.4	*	0.0	13.3	*
Sepsis	2	0.0	14.4	*	50.0	20.9	*	50.0	26.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.0	*	0.0	3.9	*	0.0	5.3	*
Open Reduction of Hip Fracture	3	0.0	5.9	*	0.0	10.5	*	0.0	13.4	*
Prostatectomy	5	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*
Cholecystectomy	0									
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WILSON MEMORIAL HOSPITAL

915 W Michigan St
Sidney, OH 45365

Medicare Provider Number: 360013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	808	7.3	9.0	1.3	11.9	13.8	1.7	15.1	17.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	25.6	*	40.0	28.5	*	44.0	31.6	*
Congestive Heart Failure	72	11.1	14.0	4.9	25.0	21.6	5.7	25.0	28.1	6.5
Pneumonia/Influenza	37	21.6	18.8	*	27.0	25.0	*	32.4	30.0	*
Chronic Obstructive Pulmonary Disease	19	10.5	9.2	*	10.5	15.5	*	10.5	20.2	*
Transient Cerebral Ischemia	22	4.5	2.4	*	9.1	5.6	*	13.6	9.2	*
Stroke	18	16.7	19.8	*	33.3	26.4	*	38.9	30.6	*
Hip Fracture	21	9.5	7.0	*	9.5	12.6	*	9.5	16.2	*
Sepsis	11	9.1	37.5	*	18.2	43.1	*	18.2	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.1	*	0.0	4.6	*	0.0	7.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	4.4	*	0.0	6.1	*	7.1	10.7	*
Open Reduction of Hip Fracture	11	9.1	6.8	*	9.1	12.7	*	9.1	16.5	*
Prostatectomy	27	0.0	0.7	*	3.7	1.7	*	3.7	2.8	*
Cholecystectomy	15	0.0	4.8	*	0.0	8.3	*	0.0	10.5	*
Hysterectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 112
Occupancy Rate 48
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 37
Percent of Physicians Board Certified Specialists 81
Medical Residents/Interns 0
Registered Nurses 79
Licensed Practical Nurses 20

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WILSON MEMORIAL HOSPITAL

Medicare Provider Number: 360013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	872	10.7	9.5	1.5	14.7	14.1	1.3	18.3	17.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	35	31.4	32.7	*	42.9	35.7	*	42.9	39.1	*
Congestive Heart Failure	63	22.2	16.8	6.5	25.4	25.8	5.5	33.3	32.9	6.5
Pneumonia/Influenza	45	22.2	18.8	*	26.7	25.5	*	35.6	30.4	*
Chronic Obstructive Pulmonary Disease	16	12.5	6.8	*	18.8	10.9	*	31.3	14.7	*
Transient Cerebral Ischemia	18	5.6	2.2	*	5.6	4.9	*	5.6	7.6	*
Stroke	18	33.3	21.9	*	38.9	27.7	*	38.9	32.3	*
Hip Fracture	20	0.0	8.0	*	0.0	13.9	*	5.0	17.5	*
Sepsis	17	5.9	32.5	*	17.6	40.8	*	23.5	47.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.7	*	33.3	9.6	*	33.3	14.4	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	8	12.5	5.5	*	12.5	9.2	*	12.5	11.2	*
Open Reduction of Hip Fracture	13	0.0	5.8	*	0.0	11.2	*	7.7	14.7	*
Prostatectomy	32	9.4	1.1	*	9.4	2.7	*	9.4	4.5	*
Cholecystectomy	21	9.5	2.6	*	9.5	4.7	*	9.5	6.1	*
Hysterectomy	6	0.0	1.0	*	0.0	1.6	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	784	10.3	10.0	1.1	14.8	14.9	1.5	17.3	18.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	20	40.0	38.7	*	40.0	42.2	*	40.0	45.7	*
Congestive Heart Failure	65	21.5	18.0	5.8	30.8	27.0	7.0	38.5	34.1	7.0
Pneumonia/Influenza	24	20.8	20.6	*	25.0	26.8	*	29.2	31.7	*
Chronic Obstructive Pulmonary Disease	15	20.0	11.5	*	33.3	19.0	*	40.0	24.8	*
Transient Cerebral Ischemia	19	5.3	2.2	*	5.3	4.7	*	5.3	7.4	*
Stroke	28	21.4	29.1	*	32.1	37.2	*	35.7	42.7	*
Hip Fracture	21	14.3	6.9	*	14.3	12.2	*	14.3	15.6	*
Sepsis	7	0.0	30.5	*	14.3	36.2	*	14.3	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.1	*	0.0	10.7	*	0.0	15.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	5.7	*	12.5	10.1	*	12.5	13.0	*
Open Reduction of Hip Fracture	11	9.1	5.7	*	9.1	10.9	*	9.1	14.4	*
Prostatectomy	32	3.1	1.3	*	3.1	3.0	*	3.1	5.1	*
Cholecystectomy	19	0.0	1.8	*	0.0	2.9	*	0.0	3.7	*
Hysterectomy	4	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WOOD COUNTY HOSPITAL

950 W Wooster St
Bowling Green, OH 43402

Medicare Provider Number: 360029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	953	7.9	9.0	1.5	12.2	13.4	1.6	16.4	16.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	39	17.9	27.6	*	20.5	30.5	*	20.5	34.0	*
Congestive Heart Failure	70	15.7	17.3	5.7	30.0	26.5	7.5	34.3	33.9	8.6
Pneumonia/Influenza	65	12.3	18.6	6.8	21.5	25.3	6.8	29.2	30.2	5.8
Chronic Obstructive Pulmonary Disease	10	0.0	11.3	*	0.0	19.5	*	20.0	26.1	*
Transient Cerebral Ischemia	29	0.0	1.7	*	10.3	3.8	*	10.3	6.1	*
Stroke	32	12.5	18.5	*	18.8	25.7	*	25.0	30.3	*
Hip Fracture	20	10.0	7.3	*	10.0	13.3	*	10.0	17.2	*
Sepsis	5	40.0	30.4	*	40.0	38.1	*	40.0	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.2	*	0.0	7.4	*	0.0	10.4	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	18	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Open Reduction of Hip Fracture	14	14.3	7.0	*	14.3	13.0	*	14.3	16.9	*
Prostatectomy	27	0.0	2.3	*	0.0	4.4	*	3.7	6.8	*
Cholecystectomy	13	0.0	2.0	*	0.0	3.2	*	0.0	3.8	*
Hysterectomy	10	0.0	0.4	*	0.0	0.7	*	10.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 125
Occupancy Rate 55
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 47
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 0
Registered Nurses 93
Licensed Practical Nurses 51

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WOOD COUNTY HOSPITAL

Medicare Provider Number: 360029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,011	9.7	9.5	1.2	14.8	14.3	1.2	18.5	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	33.4	*	26.9	36.9	*	38.5	40.7	*
Congestive Heart Failure	53	18.9	18.8	6.1	32.1	28.0	7.7	37.7	35.3	7.4
Pneumonia/Influenza	51	19.6	18.6	5.5	27.5	25.1	7.0	29.4	30.0	6.7
Chronic Obstructive Pulmonary Disease	12	16.7	12.2	*	16.7	19.7	*	25.0	25.7	*
Transient Cerebral Ischemia	22	0.0	2.3	*	0.0	5.0	*	4.5	7.9	*
Stroke	28	7.1	18.5	*	17.9	24.7	*	28.6	29.2	*
Hip Fracture	28	3.6	6.4	*	7.1	11.7	*	7.1	15.0	*
Sepsis	7	28.6	41.8	*	57.1	51.0	*	57.1	57.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.0	*	0.0	5.0	*	0.0	7.1	*
Carotid Endarterectomy	4	0.0	1.4	*	25.0	2.7	*	25.0	3.9	*
Hip Replacement/Reconstruction	15	6.7	4.6	*	6.7	8.5	*	6.7	10.9	*
Open Reduction of Hip Fracture	8	0.0	4.8	*	0.0	9.3	*	0.0	12.4	*
Prostatectomy	26	0.0	1.6	*	0.0	3.9	*	0.0	6.3	*
Cholecystectomy	20	15.0	3.1	*	20.0	6.6	*	30.0	9.5	*
Hysterectomy	8	0.0	0.5	*	12.5	0.9	*	12.5	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,063	8.5	7.1	1.4	12.6	11.1	1.8	16.3	14.3	2.2
CONDITIONS:										
Acute Myocardial Infarction	24	16.7	23.4	*	16.7	26.3	*	16.7	29.5	*
Congestive Heart Failure	49	22.4	15.7	*	24.5	24.4	*	32.7	31.5	*
Pneumonia/Influenza	61	16.4	16.3	5.2	23.0	22.4	5.4	26.2	27.2	5.9
Chronic Obstructive Pulmonary Disease	15	6.7	15.9	*	20.0	24.1	*	20.0	29.0	*
Transient Cerebral Ischemia	19	5.3	2.1	*	5.3	4.5	*	5.3	7.2	*
Stroke	32	37.5	17.6	*	40.6	24.0	*	56.3	28.6	*
Hip Fracture	25	4.0	5.4	*	8.0	10.0	*	8.0	13.1	*
Sepsis	5	0.0	27.3	*	0.0	33.2	*	0.0	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	5.2	*	0.0	8.2	*	0.0	10.3	*
Carotid Endarterectomy	5	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	23	0.0	1.9	*	0.0	3.7	*	0.0	5.0	*
Open Reduction of Hip Fracture	12	0.0	4.9	*	0.0	9.4	*	0.0	12.5	*
Prostatectomy	31	0.0	1.1	*	3.2	2.7	*	3.2	4.5	*
Cholecystectomy	16	0.0	3.9	*	12.5	6.9	*	18.8	8.9	*
Hysterectomy	8	0.0	0.9	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WOOSTER COMMUNITY HOSPITAL

1761 Beall Ave
Wooster, OH 44691

Medicare Provider Number: 360036

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,020	9.6	9.6	1.1	13.9	14.2	1.5	17.5	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	45	33.3	30.2	*	35.6	33.9	*	40.0	37.6	*
Congestive Heart Failure	64	15.6	14.6	5.1	37.5	22.4	8.0	48.4	29.0	8.2
Pneumonia/Influenza	41	14.6	15.5	*	22.0	22.1	*	24.4	27.0	*
Chronic Obstructive Pulmonary Disease	12	0.0	5.8	*	0.0	10.9	*	0.0	15.6	*
Transient Cerebral Ischemia	8	12.5	1.6	*	12.5	3.2	*	12.5	5.0	*
Stroke	46	26.1	20.2	*	37.0	26.0	*	41.3	30.4	*
Hip Fracture	43	14.0	7.0	*	20.9	12.3	*	32.6	15.8	*
Sepsis	11	45.5	24.7	*	45.5	32.6	*	45.5	38.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	4.5	3.3	*	4.5	5.9	*	9.1	7.7	*
Open Reduction of Hip Fracture	23	8.7	6.0	*	17.4	11.1	*	30.4	14.6	*
Prostatectomy	24	0.0	1.4	*	0.0	3.6	*	4.2	6.0	*
Cholecystectomy	27	3.7	2.6	*	3.7	5.1	*	3.7	6.9	*
Hysterectomy	13	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	120
Occupancy Rate	52
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	70
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	142
Licensed Practical Nurses	48

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WOOSTER COMMUNITY HOSPITAL

Medicare Provider Number: 360036

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,111	10.1	9.4	1.5	15.5	14.1	1.4	19.2	17.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	65	18.5	25.7	7.0	20.0	28.9	7.6	27.7	32.5	6.8
Congestive Heart Failure	57	19.3	16.5	6.7	31.6	25.0	8.6	38.6	31.7	8.3
Pneumonia/Influenza	54	18.5	15.8	9.1	25.9	21.7	9.7	27.8	26.3	7.0
Chronic Obstructive Pulmonary Disease	9	11.1	4.3	*	11.1	8.0	*	22.2	11.3	*
Transient Cerebral Ischemia	25	0.0	2.3	*	8.0	5.2	*	8.0	8.2	*
Stroke	55	38.2	21.6	8.5	45.5	27.8	8.5	47.3	32.6	8.0
Hip Fracture	34	8.8	6.7	*	17.6	12.3	*	26.5	16.0	*
Sepsis	16	31.3	31.1	*	37.5	38.0	*	37.5	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	24	0.0	3.2	*	4.2	6.5	*	20.8	9.1	*
Open Reduction of Hip Fracture	22	9.1	5.8	*	18.2	11.1	*	18.2	14.6	*
Prostatectomy	22	0.0	1.2	*	4.5	2.9	*	4.5	5.0	*
Cholecystectomy	26	0.0	2.6	*	3.8	5.1	*	7.7	7.0	*
Hysterectomy	9	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,135	10.5	9.9	1.7	16.2	14.6	1.6	19.0	18.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	72	36.1	30.1	11.8	44.4	34.0	12.3	44.4	37.7	11.4
Congestive Heart Failure	47	8.5	15.9	*	17.0	24.5	*	25.5	31.7	*
Pneumonia/Influenza	53	26.4	17.9	8.3	32.1	24.5	8.0	32.1	29.7	9.3
Chronic Obstructive Pulmonary Disease	9	0.0	4.2	*	0.0	8.8	*	0.0	13.5	*
Transient Cerebral Ischemia	31	6.5	2.3	*	6.5	5.1	*	12.9	8.1	*
Stroke	52	23.1	20.2	7.2	26.9	25.9	6.5	30.8	30.5	6.5
Hip Fracture	44	6.8	7.1	*	6.8	12.7	*	11.4	16.3	*
Sepsis	10	10.0	28.3	*	20.0	33.5	*	20.0	38.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	3.4	*	5.9	6.2	*	11.8	8.0	*
Open Reduction of Hip Fracture	32	6.3	6.2	*	6.3	11.8	*	6.3	15.5	*
Prostatectomy	25	8.0	1.3	*	8.0	3.2	*	8.0	5.3	*
Cholecystectomy	22	0.0	2.6	*	4.5	4.3	*	9.1	5.3	*
Hysterectomy	8	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WYANDOT MEMORIAL HOSPITAL

885 N Sandusky Ave
Upper Sandusky, OH 43351

Medicare Provider Number: 360128

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	388	12.4	11.7	1.8	16.8	17.2	2.3	20.4	21.4	2.9
CONDITIONS:										
Acute Myocardial Infarction	23	21.7	21.1	*	26.1	25.4	*	34.8	29.2	*
Congestive Heart Failure	30	13.3	18.2	*	23.3	27.8	*	30.0	35.5	*
Pneumonia/Influenza	30	16.7	17.9	*	16.7	24.1	*	23.3	29.0	*
Chronic Obstructive Pulmonary Disease	7	14.3	6.7	*	14.3	12.1	*	14.3	16.8	*
Transient Cerebral Ischemia	6	16.7	2.2	*	16.7	5.1	*	16.7	8.3	*
Stroke	18	27.8	29.8	*	27.8	36.7	*	27.8	41.5	*
Hip Fracture	10	20.0	9.2	*	30.0	16.4	*	30.0	21.2	*
Sepsis	4	25.0	32.0	*	25.0	41.4	*	25.0	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	7.2	*	33.3	13.7	*	33.3	18.4	*
Open Reduction of Hip Fracture	6	0.0	8.0	*	0.0	15.1	*	0.0	19.9	*
Prostatectomy	11	9.1	0.7	*	9.1	1.6	*	9.1	2.9	*
Cholecystectomy	9	11.1	2.7	*	11.1	4.9	*	11.1	6.1	*
Hysterectomy	6	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	36
Occupancy Rate	44
Ownership/Control	District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians	11
Percent of Physicians Board Certified Specialists	36
Medical Residents/Interns	0
Registered Nurses	21
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WYANDOT MEMORIAL HOSPITAL

Medicare Provider Number: 360128

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	377	14.3	11.7	3.2	18.8	17.2	4.2	22.3	21.3	4.0
CONDITIONS:										
Acute Myocardial Infarction	23	26.1	29.2	*	39.1	34.3	*	39.1	38.4	*
Congestive Heart Failure	21	33.3	17.6	*	38.1	26.6	*	38.1	33.9	*
Pneumonia/Influenza	33	36.4	19.4	*	39.4	25.8	*	42.4	30.7	*
Chronic Obstructive Pulmonary Disease	3	0.0	5.9	*	0.0	11.1	*	0.0	16.1	*
Transient Cerebral Ischemia	4	0.0	2.6	*	25.0	5.9	*	25.0	9.2	*
Stroke	12	16.7	19.4	*	33.3	26.7	*	33.3	31.4	*
Hip Fracture	9	0.0	9.5	*	0.0	16.7	*	11.1	21.1	*
Sepsis	2	0.0	35.2	*	0.0	40.2	*	0.0	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	37.5	*	0.0	43.5	*	0.0	48.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.9	*	0.0	9.5	*	0.0	12.8	*
Open Reduction of Hip Fracture	7	0.0	9.3	*	0.0	17.0	*	14.3	21.7	*
Prostatectomy	20	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	6	0.0	1.4	*	0.0	2.5	*	0.0	3.1	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	387	14.5	12.1	2.2	20.4	17.9	2.5	23.8	22.5	2.4
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	33.3	*	25.0	36.6	*	30.0	40.0	*
Congestive Heart Failure	25	20.0	20.5	*	32.0	30.8	*	36.0	38.7	*
Pneumonia/Influenza	29	20.7	20.1	*	24.1	27.6	*	27.6	33.2	*
Chronic Obstructive Pulmonary Disease	2	50.0	30.2	*	100.0	46.5	*	100.0	55.4	*
Transient Cerebral Ischemia	6	0.0	4.6	*	66.7	10.9	*	83.3	17.4	*
Stroke	17	35.3	22.1	*	35.3	28.9	*	35.3	33.4	*
Hip Fracture	7	0.0	9.1	*	0.0	17.0	*	0.0	22.4	*
Sepsis	5	60.0	28.7	*	60.0	37.1	*	80.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.0	*	0.0	4.2	*	0.0	6.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	8.2	*	0.0	16.0	*	0.0	21.6	*
Open Reduction of Hip Fracture	4	0.0	7.9	*	0.0	15.7	*	0.0	21.0	*
Prostatectomy	13	7.7	1.0	*	15.4	2.4	*	15.4	4.0	*
Cholecystectomy	5	0.0	0.8	*	0.0	1.5	*	0.0	2.0	*
Hysterectomy	4	0.0	1.3	*	25.0	2.6	*	25.0	4.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

YOUNGSTOWN HOSPITAL ASSOCIATION

345 Oak Hill Ave
Youngstown, OH 44501

Medicare Provider Number: 360141

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,931	8.2	9.2	0.5	12.9	13.7	0.6	16.3	17.3	0.6
CONDITIONS:										
Acute Myocardial Infarction	172	23.3	27.1	6.4	27.9	30.3	6.4	30.2	33.6	6.1
Congestive Heart Failure	258	13.2	14.5	3.3	23.3	22.5	2.9	29.1	29.2	3.0
Pneumonia/Influenza	189	20.6	17.1	3.4	28.6	23.2	4.9	33.9	27.9	5.1
Chronic Obstructive Pulmonary Disease	110	8.2	7.8	2.7	18.2	13.9	5.2	23.6	19.0	5.8
Transient Cerebral Ischemia	89	1.1	1.8	1.5	1.1	4.0	2.6	3.4	6.4	3.1
Stroke	145	20.0	21.2	4.4	24.8	27.7	5.5	30.3	32.2	4.6
Hip Fracture	121	3.3	6.2	3.3	11.6	10.9	3.1	15.7	14.1	4.1
Sepsis	62	19.4	27.7	6.4	29.0	35.2	6.5	32.3	41.0	7.0
PROCEDURES:										
Angioplasty	25	0.0	2.8	*	0.0	3.5	*	0.0	4.5	*
Coronary Artery Bypass Graft	75	9.3	6.1	4.1	9.3	7.9	4.5	10.7	9.0	4.1
Initial Pacemaker Insertion	21	4.8	4.4	*	4.8	7.5	*	9.5	9.8	*
Carotid Endarterectomy	21	4.8	1.3	*	4.8	2.4	*	4.8	3.5	*
Hip Replacement/Reconstruction	70	0.0	3.6	4.0	5.7	7.2	3.5	11.4	10.1	4.4
Open Reduction of Hip Fracture	48	6.3	6.5	*	16.7	12.0	*	16.7	15.7	*
Prostatectomy	214	0.9	0.9	0.8	1.4	2.0	1.2	1.4	3.3	2.0
Cholecystectomy	90	2.2	3.5	2.2	4.4	6.0	2.9	4.4	7.6	3.8
Hysterectomy	36	0.0	1.4	*	2.8	3.1	*	2.8	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 949
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 110
Registered Nurses 685
Licensed Practical Nurses 115

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... Yes
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

YOUNGSTOWN HOSPITAL ASSOCIATION

Medicare Provider Number: 360141

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,015	7.9	9.5	0.6	12.7	14.2	0.6	16.4	17.8	0.6
CONDITIONS:										
Acute Myocardial Infarction	218	28.4	29.5	3.2	33.5	32.9	3.2	35.3	36.6	3.3
Congestive Heart Failure	229	13.5	15.4	3.7	23.1	23.5	3.1	30.6	30.1	3.2
Pneumonia/Influenza	169	18.3	17.1	3.5	23.7	23.2	3.3	29.0	27.9	3.7
Chronic Obstructive Pulmonary Disease	90	3.3	8.6	4.1	8.9	14.6	5.1	14.4	19.6	5.6
Transient Cerebral Ischemia	80	3.7	1.7	3.0	6.3	3.7	3.9	7.5	5.9	3.6
Stroke	159	19.5	23.1	3.7	32.1	29.6	3.8	39.0	34.2	4.6
Hip Fracture	101	5.9	7.0	2.7	13.9	12.7	3.7	16.8	16.3	5.1
Sepsis	68	23.5	31.9	7.3	33.8	39.0	9.3	33.8	45.0	9.4
PROCEDURE:										
Angioplasty	33	3.0	3.5	*	3.0	4.2	*	3.0	5.1	*
Coronary Artery Bypass Graft	69	10.1	6.7	4.0	14.5	8.5	5.5	17.4	9.6	6.8
Initial Pacemaker Insertion	16	12.5	6.2	*	12.5	9.9	*	18.8	13.3	*
Carotid Endarterectomy	26	3.8	1.3	*	3.8	2.5	*	11.5	3.6	*
Hip Replacement/Reconstruction	61	0.0	4.0	4.4	4.9	7.6	5.3	8.2	10.0	4.8
Open Reduction of Hip Fracture	40	2.5	6.0	*	17.5	11.5	*	20.0	15.2	*
Prostatectomy	212	0.9	1.0	1.0	0.9	2.3	1.7	1.9	3.7	2.5
Cholecystectomy	76	3.9	2.6	2.9	3.9	4.3	3.1	3.9	5.5	3.4
Hysterectomy	31	0.0	1.3	*	6.5	2.8	*	6.5	4.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,820	8.6	8.9	0.5	13.5	13.4	0.6	16.6	17.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	191	25.7	27.0	4.1	28.8	30.2	4.0	31.9	33.6	4.1
Congestive Heart Failure	221	14.5	14.3	2.4	23.1	22.2	2.9	30.8	29.0	3.8
Pneumonia/Influenza	137	21.9	16.1	6.0	28.5	22.3	6.2	30.7	27.2	5.6
Chronic Obstructive Pulmonary Disease	78	11.5	10.1	3.6	21.8	16.8	6.0	29.5	21.8	8.3
Transient Cerebral Ischemia	99	3.0	2.0	2.8	6.1	4.4	4.6	10.1	7.0	5.7
Stroke	164	18.3	19.3	3.3	26.2	25.7	4.1	31.1	30.2	3.9
Hip Fracture	115	3.5	5.8	3.7	8.7	10.9	5.0	11.3	14.4	5.0
Sepsis	90	25.6	30.2	9.5	36.7	37.9	9.1	41.1	44.2	6.0
PROCEDURES:										
Angioplasty	26	7.7	4.4	*	7.7	5.5	*	7.7	6.7	*
Coronary Artery Bypass Graft	63	9.5	6.7	4.8	11.1	8.5	4.9	12.7	9.7	5.0
Initial Pacemaker Insertion	30	3.3	3.7	*	13.3	6.5	*	13.3	9.0	*
Carotid Endarterectomy	28	3.6	1.3	*	3.6	2.5	*	7.1	3.6	*
Hip Replacement/Reconstruction	63	1.6	3.7	3.3	4.8	7.4	5.2	6.3	10.2	7.0
Open Reduction of Hip Fracture	58	5.2	5.2	2.9	10.3	10.0	4.0	13.8	13.3	4.6
Prostatectomy	217	0.0	1.2	1.2	1.4	3.0	1.5	2.3	4.8	2.1
Cholecystectomy	79	1.3	2.5	2.0	6.3	4.6	2.5	10.1	6.2	3.5
Hysterectomy	29	0.0	1.3	*	3.4	2.8	*	3.4	4.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

YOUNGSTOWN OSTEOPATHIC HOSPITAL

1319 Florencedale Ave
Youngstown, OH 44505

Medicare Provider Number: 360126

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,031	8.1	9.1	1.1	11.6	13.7	1.6	15.1	17.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	22	36.4	31.0	*	36.4	33.9	*	36.4	37.1	*
Congestive Heart Failure	69	11.6	17.0	7.3	23.2	26.6	6.2	34.8	34.2	5.8
Pneumonia/Influenza	57	17.5	15.5	6.8	24.6	20.8	5.8	24.6	25.3	5.9
Chronic Obstructive Pulmonary Disease	39	10.3	12.8	*	12.8	21.0	*	17.9	27.6	*
Transient Cerebral Ischemia	31	0.0	2.2	*	3.2	4.9	*	3.2	7.7	*
Stroke	50	10.0	19.5	*	12.0	25.6	*	20.0	29.6	*
Hip Fracture	12	0.0	6.4	*	8.3	10.7	*	8.3	13.5	*
Sepsis	10	10.0	29.0	*	30.0	36.5	*	40.0	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	3.0	*	14.3	6.3	*	14.3	9.6	*
Carotid Endarterectomy	4	0.0	1.5	*	25.0	2.6	*	25.0	3.7	*
Hip Replacement/Reconstruction	7	0.0	3.0	*	0.0	5.4	*	0.0	7.0	*
Open Reduction of Hip Fracture	7	0.0	5.9	*	14.3	10.2	*	14.3	12.8	*
Prostatectomy	23	0.0	1.1	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	8	0.0	1.9	*	0.0	3.2	*	12.5	4.0	*
Hysterectomy	5	0.0	0.8	*	0.0	2.1	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	140
Occupancy Rate	56
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	144
Percent of Physicians Board Certified Specialists	47
Medical Residents/Interns	18
Registered Nurses	98
Licensed Practical Nurses	83

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

YOUNGSTOWN OSTEOPATHIC HOSPITAL

Medicare Provider Number: 360126

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,062	7.4	10.0	1.1	12.2	14.9	1.3	16.1	18.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	26	34.6	30.5	*	42.3	33.9	*	42.3	37.3	*
Congestive Heart Failure	65	4.6	16.5	6.2	18.5	25.1	7.2	26.2	32.1	6.2
Pneumonia/Influenza	58	12.1	21.8	8.8	20.7	29.2	7.9	29.3	34.8	7.2
Chronic Obstructive Pulmonary Disease	30	3.3	11.0	*	13.3	18.3	*	16.7	24.3	*
Transient Cerebral Ischemia	36	0.0	1.9	*	2.8	4.0	*	5.6	6.2	*
Stroke	43	18.6	24.3	*	32.6	31.3	*	37.2	35.8	*
Hip Fracture	19	5.3	6.6	*	10.5	11.5	*	10.5	14.4	*
Sepsis	12	33.3	30.9	*	33.3	37.4	*	33.3	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.1	*	8.3	7.6	*	16.7	10.3	*
Carotid Endarterectomy	3	0.0	1.7	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	14	7.1	3.1	*	7.1	5.8	*	7.1	7.6	*
Open Reduction of Hip Fracture	10	10.0	5.5	*	20.0	9.8	*	20.0	12.5	*
Prostatectomy	32	3.1	1.1	*	3.1	2.7	*	3.1	4.4	*
Cholecystectomy	10	0.0	2.6	*	0.0	4.4	*	0.0	5.4	*
Hysterectomy	7	0.0	1.7	*	0.0	3.9	*	0.0	5.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,007	8.2	9.7	1.2	13.5	14.7	1.4	16.2	18.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	17	41.2	31.0	*	41.2	34.5	*	41.2	37.8	*
Congestive Heart Failure	73	21.9	17.2	6.9	28.8	25.6	6.4	32.9	32.4	5.5
Pneumonia/Influenza	44	13.6	18.1	*	25.0	24.1	*	29.5	28.9	*
Chronic Obstructive Pulmonary Disease	23	0.0	12.1	*	0.0	18.8	*	4.3	23.7	*
Transient Cerebral Ischemia	27	0.0	2.0	*	0.0	4.3	*	3.7	6.7	*
Stroke	45	20.0	21.9	*	26.7	29.4	*	28.9	33.9	*
Hip Fracture	18	0.0	8.7	*	5.6	15.0	*	5.6	18.8	*
Sepsis	18	11.1	27.5	*	22.2	33.8	*	22.2	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	5.6	*	0.0	10.2	*	0.0	14.0	*
Carotid Endarterectomy	6	16.7	2.5	*	16.7	4.5	*	16.7	6.5	*
Hip Replacement/Reconstruction	10	0.0	3.7	*	0.0	7.2	*	0.0	9.6	*
Open Reduction of Hip Fracture	9	0.0	9.5	*	11.1	16.5	*	11.1	20.4	*
Prostatectomy	24	0.0	0.8	*	4.2	1.9	*	4.2	3.3	*
Cholecystectomy	6	0.0	1.6	*	0.0	2.9	*	0.0	3.8	*
Hysterectomy	8	0.0	1.8	*	0.0	3.7	*	0.0	5.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Technical Appendix

TECHNICAL APPENDIX

Data Sources

The data analyzed in this report are obtained from the MEDPAR file, which contains summary information on the hospitalizations of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex and date of death, which are obtained from the Social Security Administration or the Railroad Retirement Board.

Hospitalizations with discharges in fiscal years 1987, 1988 and 1989 were used in these analyses. Hospitalizations in 1986 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute-care hospitalizations in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospitalizations in special cost centers, designated by a "9" in the fourth position of the provider number, and hospitalizations in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units, with "special unit codes" of S, T, U and V, respectively, in the third position were excluded.

The Mortality Model

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospitalizations were then segregated by analytical category and analyzed separately. The analytic categories were created by grouping ICD-9-CM diagnosis codes that had similar raw mortality rates and clinical definitions. The groupings fall into five risk levels: low, average, moderately severe, very severe and catastrophic. Within these risk levels, codes are further grouped based on clinical similarities. The analytic categories and the groups of ICD-9-CM diagnosis codes that defined them are listed in Table A-1.

The mortality experience of the patients was evaluated as a function of time within 182 days of the admission. The factors included in the mortality model used to evaluate the patients' probability of death are given in Table A-2. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to complicate management and increase the likelihood of

an adverse outcome), prior admissions (grouped into five risk or severity levels) within the six months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure", Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

Analytic Techniques

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study at the end of the followup period of 182 days.

The survival function, S(t), is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function,

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function, also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is:

$$h(t) = -\frac{1}{S(t)}\frac{dS(t)}{dt} = -\frac{d\ln(S(t))}{dt}$$

The probability density function commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t. In some cases the area under the survival curve is restricted to an interval 0-t$_1$ where t$_1$ might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is:

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \ldots + \alpha_i x_i + \ldots + \alpha_k x_k)$$
$$\gamma = \exp(\gamma_0 + \gamma_1 g_1 + \ldots + \gamma_i x_i + \ldots + \gamma_k x_k)$$
$$\delta = \exp(\delta_0 + \delta_1 x_1 + \ldots + \delta_i x_i + \ldots + \delta_k x_k)$$

are the expressions for each of the structural parameters α, γ, and δ in terms of the k concomitant variables x_i and their associated component parameters α_i, γ_i, and δ_i for i=1,2,..., k and three intercepts or component parameters α_0, γ_0, and δ_0. The structural parameter δ is the long-term risk which is approached as $t \to \infty$. The structural parameter is the initial excess risk which decays with rate constant γ.

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk, δ. The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta .$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ($p<0.05$) influences of the probability of death were identified for inclusion in the model. As the model for each of the 17 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 1,000 cases or a statistically significant effect at the $p<0.01$ level when the number of cases was less than 1,000. Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients α_i, γ_i, and δ_i have been estimated, the predicted probability of patient death at any specified time after admission, 1-S(t), may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytic categories are useful for grouping the patients into relatively risk homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

Estimation of the Standard Deviation for Predicted Mortality

The standard deviation of the predicted mortality rate is used to assess how meaningfully different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed, P, and predicted, $\hat{\Theta}$, mortality rates.

The residual has four components V_1, V_2 , V_3, and V_4 where V_1 is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included the present analysis.

V_2 is the binomial variance for n patients.

$$V_2 = \frac{\hat{\Theta}\left(1 - \hat{\Theta}\right)}{n}.$$

V_3 is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\mathrm{Var}(\Theta)} = \left(1 - \frac{1}{n}\right) \widehat{M_2(\Theta)}$$

where

$$\widehat{M_2(\Theta)} = \left\{ \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\}^2 \left(\frac{1}{z_p^2}\right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital specific effect.

V_4 is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ (\text{Observed mortality}) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2 .$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just:

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

Measures of Uncertainty

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table A-3 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels ranging from 75 percent to 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table A-3 exceeds the precision of the estimate of the standard deviation. Hence, the rule-of-thumb given at the front of this Appendix represents an adequate approximation to the factors in Table A-3 and an adequate guide to the meaningfulness of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table A-3, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent, if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent, if the actual is less than the predicted. That is because 22.9 percent = 13.0 percent + 1.98 x 5.0 percent, the factor 1.98 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Upper Bound", the row "75" for the number of cases, and by interpolation between the "10%" and the "20%" predicted mortality rate columns. Similarly, 3.3 percent = 13.0 percent - 1.94 x 5.0 percent, the factor -1.94 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

On the other hand, 75 percent of the time, the observed mortality rate will lie either between 13 percent and 18.8 percent (13.0 percent + 1.15 x 5.0 percent) if the observed rate is higher than the predicted, or between 7.3 percent (13.0 percent - 1.15 x 5.0 percent) and 13.0 percent if it is lower.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. In turn, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

Table A-1

ANALYTICAL DIAGNOSTIC CATEGORIES

CATEGORY	ICD-9-CM CODES
1. Low risk cardiopulmonary and circulatory disorders	390, 393, 401, 402.00, 402.10, 402.90, 405, 411 (except 411.0), 413-414, 417-420, 422, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433 (except 433.0), 435, 437.2, 442 (except 442.2), 447 (except 447.2), 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0, 460-478, 487 (except 487.0), 490-491, 493-495, 511.0, 518.2, 519.0-519.1
2. Low risk injuries and poisonings	800.0, 800.5, 801.0, 801.5, 802, 805 (except 805.0), 806 (except 806.0), 807 (except 807.0 and 807.4), 807.00-807.06, 808-819, 822-838, 839 (except 839.0), 840-848, 850, 854.0 (except 854.05), 861.2, 862, 867 (except 867.0 and 867.2), 870-874, 875.0, 876-887, 890-897, 905-932, 933.0, 935-940, 942 (except 942.3), 943-945, 947, 949-957, 958 (except 958.4), 959-963, 965.1, 965.5-965.7, 965.9, 966, 969-971, 972 (except 972.1), 973, 974 (except 974.1), 975 (except 975.7), 977-981, 984-986, 988, 992-993, 994 (except 994.1 and 994.7), 995, 996.0 (except 996.02), 996.2, 996.4-996.5, 996.7-996.9, 997.9, 998 (except 998.2)
3. Low risk gastrointestinal and endocrine disorders	240-246, 250.0, 250.5-250.6, 250.8, 250.9, 252, 254, 255 (except 255.4), 256-258, 264-272, 274, 276.3, 276.8, 279 (except 279.1), 520-527, 528.2, 528.4, 528.6-528.9, 529, 530 (except 530.4 and 530.8), 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.8-537.9 (except 537.89), 540-543, 550, 552-556, 558 (except 558.2), 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574 (only when 5th digit = 0), 575 (except 575.4 and 575.8), 576.0, 576.9, 577.1, 577.9, 579

Table A-1: Analytic Diagnostic Categories

4.	Low risk genitourinary and reproductive disorders	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596 (except 596.1 and 596.6), 597-598, 599 (except 599.0 and 599.6), 600-606, 607 (except 607.2), 608 (except 608.4), 610-618, 619 (except 619.1), 620-629, 630-648, 650-676
5.	Low risk neuropsychiatric, sensory and musculoskeletal disorders	290-292, 293 (except 293.0), 294-309, 311-319, 330, 331 (except 331.0), 332-334, 337, 340, 342-343, 344 (except 344.0 and 344.1), 345 (except 345.3), 346-347, 348.0, 350-358, 360-389, 680-686, 690-698, 700-706, 707 (except 707.0), 708-709, 710 (except 710.1), 711-713, 714 (except 714.81), 715-739
6.	Other low risk disorders	E-CODE, M-CODE, V01-V09, V11-V65 (except V58.0 and V58.8), V67-V82, 001-005, 007-009, 014-017, 020-026, 027 (except 027.0), 030, 032-033, 035, 037, 039, 041.0-041.2, 045, 049.8-049.9, 050-053, 055-057, 071-088, 090-111, 120-135, 137-139, 140, 143, 173-175, 180.0-180.1, 182, 188 (except 188.8 and 188.9), 190, 192 (except 192.2), 210-211, 212 (except 212.7), 213-224, 226-230, 231 (except 231.2), 232-236, 239.4-239.5, 239.9, 280 (except 280.0), 282, 740-744, 746-759, 780 (except 780.0), 781, 782.0-782.2, 782.6, 782.8-782.9, 783.1, 783.5-783.9, 784 (except 784.3 and 784.5), 785 (except 785.4 and 785.5), 786.2, 786.4-786.5, 786.7-786.9, 787 (except 787.2), 788.0-788.1, 788.3-788.4, 788.6-788.7, 789 (except 789.5), 790 (except 790.6 and 790.7), 793-796
7.	Average risk disorders	V10, V58.0, V58.8, 006, 010 -013, 031, 034, 041.3-041.9, 070.1, 070.3, 070.5, 070.9, 114-115, 136 (except 136.3), 142, 144-146, 152-154, 160-161, 162.0, 165, 170, 171.0, 171.2-171.4, 171.6-171.7, 172 (except 172.8), 180.8, 181, 184-187, 188.8-188.9, 189 (except 189.0), 193-194, 196.0, 196.3, 196.5-196.6, 196.9, 197.3, 198.2, 225,

Table A-1: Analytic Diagnostic Categories

7.	Average risk disorders (continued)	238, 239.0-239.3, 239.7-239.8, 250.1, 250.4, 250.7, 251, 253, 255.4, 259, 275 (except 275.4), 276.1, 276.6-276.7, 276.9, 277 (except 277.3), 278, 280.0, 281, 283, 285, 286 (except 286.6), 287-289, 293.0, 310, 322-326, 331.0, 336, 344.0-344.1, 345.3, 349, 359, 391-392, 394-396, 398 (except 398.91), 402.01, 402.11, 402.91, 403-404, 410.7, 411.0, 412, 423.8-423.9, 424, 425.5, 425.7-425.9, 426.0, 426.9, 427.1, 429.0-429.3, 437 (except 437.2), 438, 440, 441.4, 441.9, 443, 444 (except 444.1), 446, 456.1, 456.21, 456.8, 457.2, 457.8, 459 (except 459.0 and 459.2), 480, 482.2, 483-484, 487.0, 492, 496, 506, 508 (except 508.0), 518.3, 518.8, 519.4, 519.8-519.9, 528.0-528.1, 528.3, 528.5, 531.0, 531.4, 532.0, 532.4, 533.0, 533.4, 534.0, 534.4, 537.0, 537.3-537.4, 537.89, 557 (except 557.0), 560.1, 560.3, 560.80-560.81, 560.9, 569.3, 569.8 (except 569.83), 571.0-571.1, 571.3-571.4, 572.0-572.1, 573, 574 (only when 5th digit = 1), 575.4, 575.8, 576.1-576.5, 577.0, 577.2, 577.8, 578 (except 578.0), 580-581, 587, 590.0, 590.2- 590.3, 591, 593, 596.1, 596.6, 599.0, 599.6, 607.2, 608.4, 619.1, 714.81, 745, 782.3, 783.0, 783.2, 784.3, 784.5, 786.0-786.1, 786.3, 786.6, 787.2, 788.2, 788.5, 788.8-788.9, 790.6-790.7, 791-792, 798, 799.8-799.9, 803.0, 803.5, 805.0, 807.07-807.09, 820-821, 839.0, 860, 863, 865-866, 867.0, 867.2, 900, 903-904, 934.0-934.1, 941, 942.3, 946.0-946.2, 948.0-948.3, 964, 965.0, 965.4, 965.8, 967-968, 972.1, 974.1, 975.7, 976, 982-983, 987, 989, 996.1, 996.3, 996.6, 997 (except 997.9), 998.2, 999
8.	Moderately severe cardiopulmonary and circulatory disorders	398.91, 415-416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 432.1, 434, 436, 441.2, 442.2, 452, 453.0, 453.2-453.3, 458 (except 458.0), 459.0, 459.2, 481, 482.3, 482.9, 485-486, 500-505, 510.9, 511 (except 511.0), 512.8, 513-515, 517, 518.0-518.1, 518.4, 519.2-519.3
9.	Moderately severe gastrointestinal and endocrine disorders	273, 276.5, 277.3, 530.4, 530.8, 551, 558.2, 560.0, 560.2, 560.89, 567, 572.3, 578.0

Table A-1: Analytic Diagnostic Categories

10. Moderately severe neoplastic diseases	141, 147-149, 158, 162.3-162.5, 179, 180.9, 183, 189.0, 191, 192.2, 198.1, 198.6-198.7, 198.82, 200-202, 207 (except 207.0), 212.7, 237, 239.6
11. Other moderately severe disorders	V66, 038.42, 040, 047-048, 049.0-049.1, 054, 060-066, 284, 335, 341, 348.3-348.4, 348.8-348.9, 585, 707.0, 710.1, 782.4-782.5, 782.7, 783.4, 785.4, 789.5, 797, 799.0, 799.2-799.4, 804, 806.0, 807.4, 851.0, 851.2, 851.4, 851.6, 851.8, 852.0, (except 852.05), 852.1 (except 852.15), 852.2 (except 852.25), 852.4-852.5, 853.0 (except 853.05), 853.1 (except 853.15), 861 (except 861.2), 864.0 (except 864.04), 864.1 (except 864.14), 933.1, 990, 996.02
12. Very severe cardiopulmonary and circulatory disorders	397, 410 (except 410.7), 421, 423.0-423.2, 433.0, 447.2, 456.0, 456.20, 482.0-482.1, 482.4, 482.8, 507, 508.0, 510.0, 512.0, 516, 518.5
13. Very severe gastrointestinal and endocrine disorders	250.2-250.3, 260-263, 275.4, 276.0, 276.2, 276.4, 279.1, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 569.83, 571.2, 571.5-571.6, 572.2, 576.8
14. Very severe infectious disorders	018, 027.0, 036, 038 (except 038.42), 042-044, 046, 112, 116-118, 136.3
15. Very severe neoplastic diseases	150-151, 156-157, 159, 162.2, 162.8-162.9, 163-164, 171.5, 171.8-171.9, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.6, 197.8, 198.0, 198.3-198.5, 198.81, 198.89, 203, 204 (except 204.0), 205 (except 205.0), 207.0, 208 (except 208.0), 231.2
16. Other very severe disorders	320-321, 348.2, 348.5, 584, 586, 760-779, 780.0, 783.3, 799.1, 800 (except 800.0 and 800.5), 801 (except 801.0 and 801.5), 854.05, 854.1, 868-869, 875.1, 934.8-934.9, 946.3-946.5, 958.4, 991, 994.1, 994.7

Table A-1: Analytic Diagnostic Categories

17. Catastrophic disorders	070.0, 070.2, 070.4, 070.6, 155, 172.8, 197.7, 199, 204.0, 205.0, 206, 208.0, 286.6, 348.1, 427.4-427.5, 430-431, 432 (except viral 432.1), 441.0-441.1, 441.3, 441.5, 444.1, 557.0, 570, 572.4, 572.8, 785.5, 803 (except 803.0 and 803.5), 851.1, 851.3, 851.5, 851.7, 851.9, 852.05, 852.15, 852.25, 852.3, 853.05, 853.15, 864.04, 864.14, 901-902, 948.4-948.9

Table A-2

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

DEMOGRAPHICS

$$AGESP = \text{sign}(W-65)\left(\left|\frac{W-65}{65}\right|\right)^{1.72}$$

where

$$W = \begin{cases} 23 \text{ if } AGE \leq 23 \\ AGE \text{ if } 23 < AGE < 100 \\ 100 \text{ if } 100 \leq AGE \end{cases}$$

SX An indicator variable: = 1 if Female and 0 otherwise.

COMORBIDITIES (Indicator variables = 1 if comorbidity present and 0 otherwise)

		ICD-9-CM Codes
CCA	Cancer	141-160.9, 162-172.9, 174-208.9)
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1)
CLV	Chronic liver disease	571-572.8)
CRN	Chronic renal disease	582-583.9, 585-587)

ADMISSION SOURCES AND TYPES (Indicator variables = 1 if source or type present and 0 otherwise)

PHRF	Patient referred by personal or HMO physician.
TRSNF	Patient transferred from skilled nursing facility.
ELCT	Patient admitted for elective procedure.
EMRG	Patient admitted for emergency.

PREVIOUS HOSPITALIZATIONS

PALR	Number at low risk, with 5 or more set to 5.
PAAR	Number at average risk, with 3 or more set to 3.
PAMSR	Number at moderately severe risk, with 3 or more set to 3.
PAVSR	Number at very severe risk, with 2 or more set to 2.
PACR	Number at catastrophic risk, with 1or more set to 1.

TABLE A-3: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n is the number of cases at your hospital and p is the predicted mortality rate.)

	99% Prediction Interval					95% Prediction Interval					75% Prediction Interval				
	Factor for Upper Bound					Factor for Upper Bound					Factor for Upper Bound				
p n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
25	2.95	2.73	2.68	2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
50	2.76	2.65	2.63	2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
75	2.70	2.63	2.61	2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
100	2.67	2.61	2.60	2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
150	2.64	2.60	2.59	2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
200	2.62	2.60	2.59	2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
300	2.61	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
400	2.60	2.59	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
500	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
750	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
1000	2.59	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
2000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
5000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	Factor for Lower Bound					Factor for Lower Bound					Factor for Lower Bound				
p n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
25	-2.21	-2.42	-2.48	-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
50	-2.39	-2.50	-2.53	-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
75	-2.45	-2.52	-2.54	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
100	-2.48	-2.54	-2.55	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
150	-2.51	-2.55	-2.56	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
200	-2.53	-2.56	-2.56	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
300	-2.54	-2.56	-2.57	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
400	-2.55	-2.57	-2.57	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
500	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
750	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
1000	-2.57	-2.57	-2.57	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
2000	-2.57	-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
5000	-2.57	-2.58	-2.58	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

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